## SEQUENCE LISTING

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      Xaa at residue 7 is Glu or gamma-carboxy Glu; Xaa at residue 5 is
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       Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-phospho-Ty
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       odo-Tyr, O-sulpho-Tyr or O-phospho-Ty
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_	-	_	-												

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<pre>&lt;220&gt; &lt;221&gt; PEPTIDE &lt;222&gt; (1)(25) &lt;223&gt; Xaa at residue 7 is Pro or Hyp; Xaa at residue 13 is Tyr, 125I r, mono-iodo-Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-phospho-Ty</pre>	-Ту
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Thr Gly Ser Cys Arg Ser Gly Lys Cys 20 25	
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tccatgtcga ctggctgcat ggaagccgga tcttattgcg gctctactac gagaatctgc	180
tgcggttttt gcgcttattt cggcaaaaaa tgtattgact atcccagcaa ctgatcttcc	240
ccctactgtg ctctatcctt ttctgcctga gtcctcctta cctgagagtg gtcatgaacc	300
actcatcacc tgctcctctg gaggccccag aggagctaca ttgaaataaa atcgcattgc	360
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<212>
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Cys Gln Leu Ile Thr Ala Asp Asp Ser Arg Gly Thr Gln Lys His Arg
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Ala Gly Ser Tyr Cys Gly Ser Thr Thr Arg Ile Cys Cys Gly Phe Cys
Ala Tyr Phe Gly Lys Lys Cys Ile Asp Tyr Pro Ser Asn
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<212>
       PRT
<213>
      Conus aurisiacus
<220>
<221>
      PEPTIDE
<222>
       (1)..(32)
<223>
      Xaa at residue 3 is Glu or gamma-carboxy Glu; Xaa at residue 30 i
       s Pro or Hyp; Xaa at residue 7, 21 and 29 is Tyr, 125I-Tyr, mono-
       iodo-Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-phospho-Ty
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Gly Phe Cys Ala Xaa Phe Gly Lys Lys Cys Ile Asp Xaa Xaa Ser Asn
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      43
       373
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       DNA
<213>
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                                                                      180
aggattgcgt ataactgctg caccggttct tgcagatcag gtaaatgtgg ctgatccagt
                                                                      240
gcctgatctt cccccttctg tgctctatcc ttttctgcct gagtcctcct tacctgagag
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      71
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      PRT
<213> Conus aurisiacus
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Lys Gly Lys Pro Cys Ser Arg Ile Ala Tyr Asn Cys Cys Thr Gly Ser
Cys Arg Ser Gly Lys Cys Gly
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       Xaa at residue 7 is Pro or Hyp; Xaa at residue 13 is Tyr, 125I-Ty
<223>
       r, mono-iodo-Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-phospho-Ty
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Thr Gly Ser Cys Arg Ser Gly Lys Cys
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       DNA
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                                                                      120
aggtcqaaqa caaaactctc catgttaact ttgcgctgcg catcttacgg aaaaccttgt
                                                                      180
                                                                      240
qqtattqaca acqactqctq caatqcatqc gatccaqqaa qaaatatatq tacqtaqctq
atccagegee tgatetteee cettetgtge tetateettt tetgeeegag teeteettae
                                                                      300
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ctgagagtgg tcatgaacca ctcatcacct gctccctgga ggcctcagag gagctacaat
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gaaataaaag ccgcattgc
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Cys Gln Leu Ile Thr Ala Asp Asp Ser Arg Gly Thr Gln Glu His Arg
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       25I-Tyr, mono-iodo-Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-phospho-Ty
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       Conus bullatus
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                                                                      180
aaqtcqacct ccaaaqtctc caagtcgact agctgcatgg aagccggatc ttattgcgga
                                                                      240
cctqctacta cqaaaatctq ctqcqatttt tgcaqtccat tcaqcqatag atgtatgaac
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aatcccaaca attgatcttc ccccttgtgt gctccatcct tttctgcctg agtcctcctt
acctgagagt ggtcatgaac cactcatcac ctactcctct ggaggcttca gaggagctac
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                                                                      382
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<210>
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       78
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       PRT
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      Conus bullatus
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Cys Gln Leu Ile Thr Ala Glu Asp Ser Arg Gly Thr His Glu His Leu
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Ala Gly Ser Tyr Cys Gly Pro Ala Thr Thr Lys Ile Cys Cys Asp Phe

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Cys 65	Ser	Pro	Phe	Ser	Asp 70	Arg	Cys	Met	Asn	Asn 75	Pro	Asn .	Asn			
<210 <211 <212 <213	.> ?>	51 36 PRT Conus	s bul	.latu	.s											
<220 <221 <222 <223	L> 2> 3>	PEPTI (1) Xaa a 25 ar -iodo	(36) at re nd 34	esidu Lis	Pro	or H	lyp;	Xaa	at r	esic	lue10	is	Tyr	, 12	residue 51-Tyr,	13, mono
<400 Ser 1	)> Thr	51 Ser	Cys	Met 5	Xaa	Ala	Gly	Ser	Xaa 10	Cys	Gly	Xaa		Thr 15	Thr	
Lys	Ile	e Cys	Cys 20	Asp	Phe	Cys	Ser	Xaa 25	Phe	Ser	Asp	Arg	Cys 30	Met	Asn	
Asn	Xaa	Asn 35	Asn													
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agg	aagg	gcca (	ccaaa	acaco	cc to	gtgto	cgaci	t cga	etgea	atta	ctco	cagga	ac a	acgat	gtaag	180
gtt	ccga	agcc (	aatgo	ctgca	ag ag	ggtco	cttg	c aaq	gaac	ggtc	gtt	gtact	cc a	atccc	cttct	240
gaa <sup>.</sup>	tggt	aaa .	tgtg	gttga	at co	cagc	gaat	g ato	ette	caca	ttc	gtcgt	gc t	ccat	ccttt	300
tct	gcct	gag :	tcct	cctta	ac ct	tgaga	agtg	g tca	atgaa	acca	ctca	atcad	cct a	actco	cctgg	360
agg	ctto	caga	ggag	ctaca	at to	gaaat	taaa	a gc	cgcat	ttgc						400
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Cys	Glı	n Leu	Ile 20	Thr	Ala	Glu	Asp	Ser 25	Arg	Gly	Thr	Gln	Leu 30	His	Arg	
Ala	Le	u Arg 35	Lys	Ala	Thr	Lys	His 40	Pro	Val	Ser	Thr	Arg 45	Cys	Ile	Thr	
Pro	G1; 50	y Thr	Arg	Cys	Lys	Val 55	Pro	Ser	Gln	Cys	Cys 60	Arg	Gly	Pro	Cys	

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Lys Asn Gly Arg Cys Thr Pro Ser Pro Ser Glu Trp
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       54
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      31
<212>
      PRT
<213> Conus bullatus
<220>
<221>
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<222>
       (1)..(31)
       Xaa at residue 30 is Glu or gamma-carboxy Glu; Xaa at residue 4,
<223>
       11, 18, 26 and 28 is Pro or Hyp; Xaa at residue 31is Trp or Bromo
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Gly Xaa Cys Lys Asn Gly Arg Cys Thr Xaa Ser Xaa Ser Xaa Xaa
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                                                                      120
aggtcggaca ccaaactctc catgttgact ttgcgctgcg caacttacgg aaaaccttgt
                                                                      180
                                                                      240
ggtattcaaa acgactgctg caatacatgc gatccagcca gaaggacatg tacgtagctg
                                                                      300
atcoggogte ttgatectee gettetgtge tecatetttt etgeetgagt eeteettace
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tqaqaqtqqt catqaaccac tcatcaccta ctcctctgga ggctttagag gagctacatt
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gaaataaaag ccgcattgc
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<210>
<211>
       72
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       PRT
<213>
      Conus bullatus
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Cys Gln Leu Ile Thr Ala Glu Asp Ser Arg Asp Thr Gln Lys His Arg
Ala Leu Arg Ser Asp Thr Lys Leu Ser Met Leu Thr Leu Arg Cys Ala
Thr Tyr Gly Lys Pro Cys Gly Ile Gln Asn Asp Cys Cys Asn Thr Cys
Asp Pro Ala Arg Arg Thr Cys Thr
<210>
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<212> PRT
<213> Conus bullatus
<220>
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<221>
<222>
      (1)..(26)
<223> Xaa at residue 7 and 20 is Pro or Hyp; Xaa at residue 4 is Tyr, 1
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<400> 57
Cys Ala Thr Xaa Gly Lys Xaa Cys Gly Ile Gln Asn Asp Cys Cys Asn
Thr Cys Asp Xaa Ala Arg Arg Thr Cys Thr
<210> 58
<211>
       373
<212>
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<213>
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                                                                      120
                                                                      180
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aggattgcgt ataactgctg caagtattct tgcagaaatg gtaaatgtgg ctgatccagc
                                                                      240
gcctgatctt cccccttgtg tgctccatcc ttttctgcct gagtcctcct tacctgagag
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tggtcatgaa ccactcatca cctactcctc tggaggcttc agaggagcta cattgaaata
                                                                      360
                                                                      373
aaagccgcat tgc
<210>
       59
<211>
      71
<212> PRT
<213> Conus bullatus
<400> 59
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Ala Leu Arg Lys Thr Thr Lys Leu Ser Leu Ser Thr Arg Cys Lys Gly
Pro Gly Ala Ser Cys Ile Arg Ile Ala Tyr Asn Cys Cys Lys Tyr Ser
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Cys Arg Asn Gly Lys Cys Gly
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<210>
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       25
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<213> Conus bullatus
<220>
<221> PEPTIDE
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<222>
      (1)..(25)
      Xaa at residue 4 is Pro or Hyp; Xaa at residue 13 and 18 is Tyr,
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Lys Xaa Ser Cys Arg Asn Gly Lys Cys
<210>
       61
<211>
      382
<212>
      DNA
<213>
       Conus bullatus
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                                                                      120
aagtegacet ccaaagtete caagtegact agetgeatgg cageeggate ttattgegga
                                                                      180
cctgctacta cgaatatctg ctgcgatttt tgcagtccat tcagcgatag atgtatgaaa
                                                                      240
aageecaaca attgatette eccettetgt getetateet tttetgeetg agteeteett
                                                                      300
acctgagagt ggtcatgaac cactcatcac ctactcctct ggaggcttca gaggagctac
                                                                      360
attgaaataa aagccgcatt gc
                                                                      382
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       78
<211>
<212>
       PRT
<213> Conus bullatus
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Cys Gln Leu Ile Thr Ala Glu Asp Ser Arg Gly Thr His Glu His Leu
Ala Leu Lys Ser Thr Ser Lys Val Ser Lys Ser Thr Ser Cys Met Ala
Ala Gly Ser Tyr Cys Gly Pro Ala Thr Thr Asn Ile Cys Cys Asp Phe
Cys Ser Pro Phe Ser Asp Arg Cys Met Lys Lys Pro Asn Asn
                    70
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       36
<212>
       PRT
<213>
      Conus bullatus
<220>
<221>
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<222>
      (1)..(36)
<223>
      Xaa at residue 13, 25 and 34 is Pro or Hyp; Xaa at residue 10 is
       Tyr, 125I-Tyr, mono-iodo-Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-phos
       pho-Ty
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Asn Ile Cys Cys Asp Phe Cys Ser Xaa Phe Ser Asp Arg Cys Met Lys
Lys Xaa Asn Asn
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      Conus bullatus
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aggaaggcca ccaaactctc cgtgtcgact cgctgcaaga gtaaaggatc atcatgtcat
                                                                      180
                                                                      240
aggacttcgt atgactgctg cacgggttct tgcagaaatg gtagatgtgg ctgatccagc
gcctgatctt cccccttctg tgctccatcc ttttctgcct gagtcctcct tacctgagag
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                                                                      373
aaagccgcat tgc
<210> 65
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      71
      PRT
<212>
<213> Conus bullatus
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Ala Leu Arg Lys Ala Thr Lys Leu Ser Val Ser Thr Arg Cys Lys Ser
Lys Gly Ser Ser Cys His Arg Thr Ser Tyr Asp Cys Cys Thr Gly Ser
Cys Arg Asn Gly Arg Cys Gly
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<212> PRT
<213> Conus bullatus
<220>
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<222>
       (1)..(25)
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       -sulpho-Tyr or O-phospho-Ty
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<211>
       321
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      Conus caracteristicus
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actaggcagt gctcggctaa cggtggatct tgtactcgtc attttcactg ctgcagcctc
                                                                      180
tattgcaata aagattccag tgtatgtgtg gcaacctcat acccgtgagt ggccatgaac
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                                                                      300
                                                                      321
caaaaaaaa aaaaaaaaa a
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       68
<211>
       73
      PRT
<212>
<213> Conus caracteristicus
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Cys Gln Leu Ile Thr Gly Glu Gln Lys Asp His Ala Leu Arg Ser Thr
Asp Lys Asn Ser Lys Leu Thr Arg Gln Cys Ser Ala Asn Gly Gly Ser
Cys Thr Arg His Phe His Cys Cys Ser Leu Tyr Cys Asn Lys Asp Ser
                        55
Ser Val Cys Val Ala Thr Ser Tyr Pro
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       69
       33
<211>
<212>
      PRT
<213> Conus caracteristicus
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<222>
       (1)..(33)
       Xaa at residue 1 is Gln or pyro-Glu; Xaa at residue 33 is Pro or
<223>
       Hyp; Xaa at residue 19 and 32 is Tyr, 125I-Tyr, mono-iodo-Tyr, di
       -iodo-Tyr, O-sulpho-Tyr or O-phospho-Ty
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Ser Leu Xaa Cys Asn Lys Asp Ser Ser Val Cys Val Ala Thr Ser Xaa
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Xaa

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<210>
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       26
<212>
      PRT
<213> Conus catus
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<211>
       25
<212>
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      Conus catus
<220>
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<222>
       (1)..(25)
       Xaa at residue 13 is Tyr, 125I-Tyr, mono-iodo-Tyr, di-iodo-Tyr, O
<223>
       -sulpho-Tyr or O-phospho-Ty
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ctatcctttt ctgcctgatt cctccttacc tgagagcggt catgaaccac tcatcacctg
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       PRT
<213>
       Conus catus
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Asn Cys Cys Ser Gly Ser Cys Asn Arg Gly Ser Cys Gly
<210>
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       25
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<213>
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<220>
       PEPTIDE
<221>
<222>
       (1)..(25)
       Xaa at residue 13 is Tyr, 125I-Tyr, mono-iodo-Tyr, di-iodo-Tyr, O
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## -sulpho-Tyr or O-phospho-Ty

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tgtgctccat ccttttctgc ctgagtcctc cttatctgag agtggtcatg aaccactcac 180
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Arg Cys Cys Gly Thr Cys Ser Ser Val Leu Lys Ser Cys Val Ser 20 25 30
<210> 77 <211> 28 <212> PRT <213> Conus catus
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Asn Cys Cys Ser Gly Ser Cys Asn Arg Gly Arg Cys Gly 20 25	
<210> 80 <211> 25 <212> PRT <213> Conus catus	
<220> <221> PEPTIDE <222> (1)(25) <223> Xaa at residue 7 is Pro or Hyp	
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tctactacga gaacctgctg cggttattgc tcttatttca gcaaaaaatg tattgacttt 2	40
cccagcaact gatcttcccc ctactgtgct ctatcctttt ctgcctgagt cctccttacc 3	00

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      Xaa at residue 33 is Pro or Hyp; Xaa at residue 10, 21, 24 and 32
        is Tyr, 125I-Tyr, mono-iodo-Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-
       phospho-Ty
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<212>
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<223>
       r, mono-iodo-Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-phospho-Ty
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       25 and 34 is Pro or Hyp; Xaa at residue 10, 26 and 33 is Tyr, 125
       I-Tyr, mono-iodo-Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-phospho-Ty
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Xaa Xaa Gln Asn
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                                                                      180
                                                                      240
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                                                                      321
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       109
       73
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<223>
       -sulpho-Tyr or O-phospho-Ty
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His Gly Ser Cys Ser Ser Ser Lys Gly Arg Cys
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                                                                       180
qactqctqca ccqgttcttq caacagaggt aaatgtggct gatccggcgc ctgatcttcc
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                                                                      180
                                                                      240
gactgctgca atacatgcga tccagccaga aagacatgta cgtagctgat ccggcgtctg
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       spho-Ty
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       pho-Ty
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       Conus dalli
<220>
<221>
       PEPTIDE
<222>
       (1)..(28)
       Xaa at residue 28 is Glu or gamma-carboxy Glu; Xaa at residue 4,
<223>
        5 and 8 is Pro or Hyp; Xaa at residue 11 and 12 is Tyr, 125I-Tyr,
        mono-iodo-Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-phospho-Ty
<400> 125
Ser Cys Thr Xaa Xaa Gly Gly Xaa Cys Gly Xaa Xaa Asn Asp Cys Cys
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<213>
       Conus distans
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                                                                       120
                                                                       180
 acctccgggt caacgaagag atgcgaagat cctggtgaac cttgcggaag tgatcattcc
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tgctgcggcg gtagttgcaa ccacaacgtc tgcgcctgaa gctggtctgg catctgacca

ttccccttct gtactctatc tctattgcct gagtcatctt tacctgtgag tggtcatgaa 300
tctctcaata ccttctcccc tggaggcttc agaagaacta gattgaaata 350
<210> 127 <211> 66 <212> PRT <213> Conus distans
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Cys Gln Leu Thr Arg Gly Lys Leu Glu Arg Pro Val Leu Arg Ser Ser
Asp Gln Thr Ser Gly Ser Thr Lys Arg Cys Glu Asp Pro Gly Glu Pro 35 40 45
Cys Gly Ser Asp His Ser Cys Cys Gly Gly Ser Cys Asn His Asn Val 50 55 60
Cys Ala 65
<210> 128 <211> 25 <212> PRT <213> Conus distans
<pre>&lt;220&gt; &lt;221&gt; PEPTIDE &lt;222&gt; (1)(25) &lt;223&gt; Xaa at residue 2 and 6 is Glu or gamma-carboxy Glu; Xaa at residu     e 4 and 7 is Pro or Hy</pre>
<400> 128 Cys Xaa Asp Xaa Gly Xaa Xaa Cys Gly Ser Asp His Ser Cys Cys Gly 1 5 10 15
Gly Ser Cys Asn His Asn Val Cys Ala 20 25
<210> 129 <211> 309 <212> DNA <213> Conus ermineus
<400> 129 atgaaactga cgtgtgtggt gatcgtcgcc gtgctgctcc tgacggcctg tcaactcatc 60
acagetgacg actecagacg tacgeagaag categtgeee tgaggtegac caccaaacge 120
gccacgtcga atcgcccctg caagccgaaa ggacgaaaat gttttccgca tcagaaggac 180
tgctgcaata aaacgtgcac cagatcaaaa tgtccctgat cttccccctt ctgtgctgta 240
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ctctggagg 309
<210> 130 <211> 72 <212> PRT

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<213> Conus ermineus
<400> 130
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Cys Gln Leu Ile Thr Ala Asp Asp Ser Arg Arg Thr Gln Lys His Arg
Ala Leu Arg Ser Thr Thr Lys Arg Ala Thr Ser Asn Arg Pro Cys Lys
Pro Lys Gly Arg Lys Cys Phe Pro His Gln Lys Asp Cys Cys Asn Lys
Thr Cys Thr Arg Ser Lys Cys Pro
<210> 131
<211> 27
<212> PRT
<213> Conus ermineus
<220>
<221> PEPTIDE
<222>
      (1)..(27)
<223> Xaa at residue 1, 4, 11 and 27 is Pro or Hyp
<400> 131
Xaa Xaa Lys Xaa Lys Gly Arg Lys Cys Phe Xaa His Gln Lys Asp Cys
Cys Asn Lys Thr Cys Thr Arg Ser Lys Cys Xaa
<210>
       132
       308
<211>
<212> DNA
<213> Conus ermineus
<400> 132
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                                                                      120
gtttatgctg cggtggatgc aatgtatcca aaagtaaatg taactagctg attcggcgtc
                                                                      180
tgaacttccc ccttctgtgc tctatccttt tctgcccgag tcctccatac ctgagaatgg
                                                                      240
tcatgaacca ctcatcacct actcctctgg agacctcaga agagctacac tgaaataaaa
                                                                      300
                                                                      308
gcgcttgc
<210> 133
<211> 54
<212> PRT
<213> Conus ermineus
<400> 133
Leu Ile Thr Ala Asp Asp Ser Arg Gly Thr Gln Asn Asp Arg Ala Leu
Arg Ser Thr Thr Lys Leu Ser Met Leu Thr Arg Ala Cys Trp Ser Ser
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Gly Thr Pro Cys Gly Thr Asp Ser Leu Cys Cys Gly Gly Cys Asn Val
Ser Lys Ser Lys Cys Asn
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<210> 134
<211> 27
<212> PRT
<213> Conus ermineus
<220>
      PEPTIDE
<221>
      (1)..(27)
<222>
      Xaa at 8 residue is Pro or Hyp; Xaa at residue 3 is Trp or Bromo
<223>
<400> 134
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Gly Gly Cys Asn Val Ser Lys Ser Lys Cys Asn
<210>
       135
<211>
       385
<212>
       DNA
<213> Conus geographus
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gaacteteet tgtegaeteg etgeaagtea eeeggatett eatgtteaee gaetagttat
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aattgctgca ggtcttgcaa tccatacgcc aaaagatgtt acggctaatc cagcgcctga
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tettececet tetgtgetet atceetteet gtetgagtee teettacetg agagtggtea
                                                                      300
                                                                      360
tgaaccactc ctcacctact tctctggagg cttcggagga gctacattga aataaaagcc
                                                                      385
gcattgtaaa aaaaaaaaaa aaaaa
       136
<210>
       73
<211>
<212> PRT
<213> Conus geographus
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Met Lys Leu Thr Cys Val Val Ile Val Ala Val Leu Leu Leu Thr Ala
 Cys Gln Leu Ile Thr Ala Asp Asp Ser Arg Gly Thr Gln Lys His Arg
 Ala Leu Gly Ser Thr Thr Glu Leu Ser Leu Ser Thr Arg Cys Lys Ser
 Pro Gly Ser Ser Cys Ser Pro Thr Ser Tyr Asn Cys Cys Arg Ser Cys
 Asn Pro Tyr Ala Lys Arg Cys Tyr Gly
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<210> 137
<211>
       27
<212>
      PRT
<213>
      Conus geographus
<220>
      PEPTIDE
<221>
<222>
       (1)..(27)
      Xaa at residue 4, 10 and 21 is Pro or Hyp; Xaa at residue 13, 22
       and 27 is Tyr, 125I-Tyr, mono-iodo-Tyr, di-iodo-Tyr, O-sulpho-Tyr
        or O-phospho-Ty
<400> 137
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Arg Ser Cys Asn Xaa Xaa Ala Lys Arg Cys Xaa
       138
<210>
<211>
       396
<212>
       DNA
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       Conus geographus
<400> 138
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                                                                      120
aaactcacct tgtcgactcg ctgcaaatca cccggaactc catgttcaag gggtatgcgt
                                                                      180
                                                                      240
gattgctgca cgccttgctt gttatacagc aacaaatgta ggcgctacta acccagcgcc
tgatcttccc ccttctgtgc tctattcctt tctgcctgag tcctccttac ctgaaagtgg
                                                                      300
tcatgaacca ctcatcacct acttctctgg aggcttcaga agagctacat tgaaataaaa
                                                                      360
                                                                      396
qccqcattqc aatgacaaaa aaaaaaaaa aaaaaa
<210>
       139
<211>
       74
<212> PRT
<213> Conus geographus
<400> 139
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 Cys Gln Leu Ile Thr Ala Asp Asp Ser Arg Gly Thr Gln Lys His Arg
                                                     30
 Ala Leu Arg Ser Ser Thr Lys Leu Thr Leu Ser Thr Arg Cys Lys Ser
 Pro Gly Thr Pro Cys Ser Arg Gly Met Arg Asp Cys Cys Thr Pro Cys
                                             60
     50
 Leu Leu Tyr Ser Asn Lys Cys Arg Arg Tyr
 <210>
        140
        29
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 <212> PRT
 <213> Conus geographus
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<220>
      PEPTIDE
<221>
<222>
      (1)..(29)
      Xaa at residue 4, 7 and 18 is Pro or Hyp; Xaa at residue 22 and 2
<223>
       9 is Tyr, 125I-Tyr, mono-iodo-Tyr, di-iodo-Tyr, O-sulpho-Tyr or O
       -phospho-Ty
<400> 140
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Thr Xaa Cys Leu Leu Xaa Ser Asn Lys Cys Arg Arg Xaa
<210>
       141
<211> 407
<212>
       DNA
      Conus geographus
<213>
<400> 141
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                                                                      120
tgactccaga ggtacgcaga agcatcgtgc cctggggtcg accaccgaac tctccttgtc
                                                                      180
gactcgctgc aagtcacccg gatcttcatg ttcaccgact agttataatt gctgcaggtc
                                                                      240
ttgcaatcca tacaccaaaa gatgttacgg ctaatccagc gcctgatctt ccctgctctg
                                                                      300
agtecteett acctgagagt ggteatgaac cacteateac etaettetet aggeggtteg
                                                                      360
                                                                      407
gaggagctac attgaaataa aagccgcatt gcaaaaaaaa aaaaaaa
<210>
       142
       73
<211>
<212>
       PRT
<213> Conus geographus
<400> 142
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Cys Gln Leu Ile Thr Ala Asp Asp Ser Arg Gly Thr Gln Lys His Arg
                                 25
Ala Leu Gly Ser Thr Thr Glu Leu Ser Leu Ser Thr Arg Cys Lys Ser
 Pro Gly Ser Ser Cys Ser Pro Thr Ser Tyr Asn Cys Cys Arg Ser Cys
 Asn Pro Tyr Thr Lys Arg Cys Tyr Gly
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 <211>
       2.7
 <212>
       PRT
 <213> Conus geographus
 <220>
 <221>
        PEPTIDE
 <222>
        (1)..(27)
        Xaa at residue 4, 10 and 21 is Pro or Hyp; Xaa at residue 13, 22
        and 27 is Tyr, 125I-Tyr, mono-iodo-Tyr, di-iodo-Tyr, O-sulpho-Tyr
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or O-phospho-Ty <400> 143 Cys Lys Ser Xaa Gly Ser Ser Cys Ser Xaa Thr Ser Xaa Asn Cys Cys 10 Arg Ser Cys Asn Xaa Xaa Thr Lys Arg Cys Xaa 2.0 <210> 144 <211> 28 <212> PRT <213> Conus geographus <220> <221> PEPTIDE <222> Xaa at residue 4, 10 and 21 is Pro or Hyp; Xaa at residue 13, 22 <223> and 27 is Tyr, 125I-Tyr, mono-iodo-Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-phospho-Ty <400> 144 Cys Lys Ser Xaa Gly Ser Ser Cys Ser Xaa Thr Ser Xaa Asn Cys Cys 5 10 Arg Ser Cys Asn Xaa Xaa Thr Lys Arg Cys Xaa Gly 25 <210> 145 <211> 26 <212> PRT <213> Conus geographus <220> <221> PEPTIDE <222> (1)..(26)Xaa at residue 4, 10 and 21 is Pro or Hyp; Xaa at residue 13 and <223> 22 is Tyr, 125I-Tyr, mono-iodo-Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-phospho-Ty <400> 145 Cys Lys Ser Xaa Gly Ser Ser Cys Ser Xaa Thr Ser Xaa Asn Cys Cys Arg Ser Cys Asn Xaa Xaa Thr Lys Arg Cys 20 <210> 146 <211> 314 <212> DNA <213> Conus geographus <400> 146 catcacagct gatgactcca gaggtacgca gaagcatcgt gccctgaggt cgtccaccaa 60 acteacettg tegacteget geaaateace eggaacteea tgtteaaggg gtatgegtga 120

ttgctgcacg tcttgcttgt tatacagcaa caaatgtagg cgctactaac ccagcgcctg

atettecece ttetgtgete tatteettte tgeetgagte eteettacet gaaagtggte

atgaaccact catcacctac ttctctggag gcttcagaag agctacattg aaataaaagc

cgcattgcaa tgac

180

240

300

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<211>
      55
      PRT
<212>
<213>
      Conus geographus
<400> 147
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                                    10
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Pro Cys Ser Arg Gly Met Arg Asp Cys Cys Thr Ser Cys Leu Leu Tyr
Ser Asn Lys Cys Arg Arg Tyr
<210>
      148
<211>
      29
<212> PRT
<213> Conus geographus
<220>
      PEPTIDE
<221>
<222>
       (1)..(29)
<223>
       Xaa at residue 4 and 7 is Pro or Hyp; Xaa at residue 22 and 29 is
        Tyr, 125I-Tyr, mono-iodo-Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-pho
       spho-Ty
<400> 148
Cys Lys Ser Xaa Gly Thr Xaa Cys Ser Arg Gly Met Arg Asp Cys Cys
                                    10
                                                         15
Thr Ser Cys Leu Leu Xaa Ser Asn Lys Cys Arg Arg Xaa
<210>
      149
<211>
      29
<212>
      PRT
<213>
      Conus geographus
<220>
<221>
      PEPTIDE
<222>
      (1)..(29)
      Xaa at residue 4 and 7 is Pro or Hyp; Xaa at residue 22 and 29 is
<223>
        Tyr, 125I-Tyr, mono-iodo-Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-pho
       spho-Ty
<400> 149
Cys Lys Ser Xaa Gly Thr Xaa Cys Ser Arg Gly Met Arg Asp Cys Cys
                                                         15
Thr Ser Cys Leu Ser Xaa Ser Asn Lys Cys Arg Arg Xaa
<210> 150
<211>
      380
<212>
      DNA
<213>
      Conus laterculatus
<400> 150
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                                                                      120
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aggtcgacca ccaatctctc catgctgact cggaagtgct ggccttccgg aagctattgt	180
cgtgcgaata gtaaatgctg cagtggatgc gatcggaaca gaaataaatg ttactagctg	240
atteggegte tgaactteet cettetgtge tetateettt tetgeeegag teeteeatae	300
ctgagagtgg tcatgaacca ctcaactcct actcctctgg aggcctcaga agagctacat	360
tgaaataaaa gccgcattgc	380
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Cys Gln Leu Ile Thr Ala Asp Asp Ser Arg Gly Thr Gln Lys His Arg 20 25 30	
Ala Leu Arg Ser Thr Thr Asn Leu Ser Met Leu Thr Arg Lys Cys Trp 35 40 45	
Pro Ser Gly Ser Tyr Cys Arg Ala Asn Ser Lys Cys Cys Ser Gly Cys 50 55 60	
Asp Arg Asn Arg Asn Lys Cys Tyr 65 70	
<210> 152 <211> 27 <212> PRT <213> Conus laterculatus	
<pre>&lt;220&gt; &lt;221&gt; PEPTIDE &lt;222&gt; (1)(27) &lt;223&gt; Xaa at residue 4 is Pro or Hyp; Xaa at residue 3 is Trp or Br     Trp; Xaa at residue 8 and 27 is Tyr, 125I-Tyr, mono-iodo-Tyr,     iodo-Tyr, O-sulpho-Tyr or O-phospho-Ty</pre>	omo di-
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Ser Gly Cys Asp Arg Asn Arg Asn Lys Cys Xaa 20 25	
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aggtcgacca ccaaactctc catatcgact cgctgccttc ctcccggatc atattgtaag	180
gcgacaacgg aagtctgctg ctcttcttgc cttcaattcg ctcagatatg ttcgggttga	240

tcttccctct tctgtgctct atccttttct gcctgagtcc tccatacctg agaatggtca 300
tgaaccactc aacatctact cctctggagg cctcagaaga gctatattga aataaaagcc 360
gcattgc 367
<210> 154 <211> 73 <212> PRT <213> Conus laterculatus
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Cys Gln Leu Ile Thr Ala Asp Asp Ser Arg Gly Thr Gln Lys His Arg 20 25 30
Ala Leu Arg Ser Thr Thr Lys Leu Ser Ile Ser Thr Arg Cys Leu Pro 35 40 45
Pro Gly Ser Tyr Cys Lys Ala Thr Thr Glu Val Cys Cys Ser Ser Cys 50 60
Leu Gln Phe Ala Gln Ile Cys Ser Gly 65 70
<210> 155 <211> 27 <212> PRT <213> Conus laterculatus
<pre>&lt;220&gt; &lt;221&gt; PEPTIDE &lt;222&gt; (1)(27) &lt;223&gt; Xaa at residue 13 is Glu or gamma-carboxy Glu; Xaa at residue 3 a    nd 4 is Pro or Hyp; Xaa at residue 7 is Tyr, 125I-Tyr, mono-iodo-         Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-phospho-Ty</pre>
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Ser Ser Cys Leu Gln Phe Ala Gln Ile Cys Ser 20 25
<210> 156 <211> 373 <212> DNA <213> Conus laterculatus
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aggtcgacca ccaatctctc catgtcgact cgctgcaagt ctcccggatc atcatgtage 180
gtgtctatgc gtaactgctg cacttcttgc aattcacgca ccaagaaatg tacgcgacgt 240
ggctgaactt cccccttctg tgctctatcc ttttctgccc gagtcctcca tacctgagag 300
tggtcatgaa ccactcaaca tctactcctc tggaggcctc agaagagcta tattgaaata 360
aaagccgcat tgc 373

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<211> 75
<212> PRT
<213> Conus laterculatus
<400> 157
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Cys Gln Leu Ile Thr Ala Asp Asp Ser Arg Gly Thr Gln Lys His Arg
Ala Leu Arg Ser Thr Thr Asn Leu Ser Met Ser Thr Arg Cys Lys Ser
Pro Gly Ser Ser Cys Ser Val Ser Met Arg Asn Cys Cys Thr Ser Cys
Asn Ser Arg Thr Lys Lys Cys Thr Arg Arg Gly
<210> 158
<211> 29
<212> PRT
<213> Conus laterculatus
<220>
<221>
       PEPTIDE
<222>
      (1)..(29)
      Xaa at residue 3 is Pro or Hyp
<223>
<400> 158
Cys Lys Ser Xaa Gly Ser Ser Cys Ser Val Ser Met Arg Asn Cys Cys
Thr Ser Cys Asn Ser Arg Thr Lys Lys Cys Thr Arg Arg
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       159
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       330
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       DNA
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      Conus laterculatus
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aggtcqacaa ccaaactctc catgctgact cggacctgct ggccttccgg aacagcttgt
                                                                     180
                                                                     240
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atteggegte taaactteet eettetgeet gagteeteea taeetgagag tggteatgaa
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ccacatcatc acctcatctc tggaggcctc
<210>
       160
<211>
       72
<212>
       PRT
<213> Conus laterculatus
<400> 160
Met Lys Leu Thr Cys Val Val Ile Val Ala Val Leu Leu Thr Ala
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35

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Cys Gln Leu Ile Thr Ala Asp Asp Ser Arg Gly Thr Gln Lys His Arg
                                25
            20
Ala Leu Arg Ser Thr Thr Lys Leu Ser Met Leu Thr Arg Thr Cys Trp
Pro Ser Gly Thr Ala Cys Gly Ile Asp Ser Asn Cys Cys Ser Gly Cys
Asn Val Ser Arg Ser Lys Cys Asn
<210> 161
<211> 27
<212> PRT
<213> Conus laterculatus
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<222>
      (1)..(27)
<223> Xaa at residue 4 is Pro or Hyp; Xaa at residue 3 is Trp or Bromo
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                                    10
Ser Gly Cys Asn Val Ser Arg Ser Lys Cys Asn
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       162
       363
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       DNA
       Conus laterculatus
<213>
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aggtcgacca ccaatctctc catgctgact cggaagtgct ggccttccgg aagctattgt
                                                                      180
cgtgcgaata gtaaatgctg cagtggatgc gatcggaaca gaagtaaatg taactagctg
                                                                      240
atteggegte taaactteet eettetgeet gagteeteea taeetgagag tggteatgaa
                                                                      300
ccactcatca cctactcctc tggaggcctc aaaggagcta cattgaaata aaagccgcat
                                                                      360
                                                                      363
tgc
<210> 163
<211>
       72
<212>
       PRT
<213> Conus laterculatus
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Cys Gln Leu Ile Thr Ala Asp Asp Ser Arg Gly Thr Gln Lys His Arg
Ala Leu Arg Ser Thr Thr Asn Leu Ser Met Leu Thr Arg Lys Cys Trp
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40

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Asp Arg Asn Arg Ser Lys Cys Asn
<210>
      164
<211>
      27
<212> PRT
<213> Conus laterculatus
<220>
<221>
      PEPTIDE
<222>
      (1)..(27)
      Xaa at residue4 is Pro or Hyp; Xaa at residue 3 is Trp or Bromo
       Trp; Xaa at residue 8 is Tyr, 125I-Tyr, mono-iodo-Tyr, di-iodo-Ty
       r, O-sulpho-Tyr or O-phospho-Ty
<400> 164
Lys Cys Xaa Xaa Ser Gly Ser Xaa Cys Arg Ala Asn Ser Lys Cys Cys
Ser Gly Cys Asp Arg Asn Arg Ser Lys Cys Asn
<210>
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      391
<212> DNA
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<220>
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      (1)..(391)
<223> n may be any nucleotide
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                                                                     120
tocaggtogo totttgagtg ogogoottoo ggtggacgtt gtggtttttt aaagtootgo
                                                                     180
tgcgaaggat attgcgatgg ggaaagcact tcatgtgtga gtggcccata cagcatctga
                                                                     240
tettecegee tteagtgete tateetttte tgeetgagte etceatacet etgageggte
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cattgcaacg aaanaaaaaa aaaaaaaaa a
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<210>
      166
<211>
      79
<212>
      PRT
<213>
      Conus leopardus
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Cys Gln Leu Thr Thr Ala Asp Ile Ser Arg Gly Thr Arg Lys Arg Arg
Ala Leu Arg Ser Thr Thr Lys Leu Ser Arg Ser Leu Phe Glu Cys Ala
        35
                            40
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Pro Ser Gly Gly Arg Cys Gly Phe Leu Lys Ser Cys Cys Glu Gly Tyr
                        55
Cys Asp Gly Glu Ser Thr Ser Cys Val Ser Gly Pro Tyr Ser Ile
<210>
       167
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       37
      PRT
<212>
<213> Conus leopardus
<220>
       PEPTIDE
<221>
<222>
       (1)..(37)
       Xaa at residue 4, 20 and 26 is Glu or gamma-carboxy Glu; Xaa at r
<223>
       esidue 7 and 34 is Pro or Hyp; Xaa at residue 22 and 35 is Tyr,
       125I-Tyr, mono-iodo-Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-phospho-T
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Ser Leu Phe Xaa Cys Ala Xaa Ser Gly Gly Arg Cys Gly Phe Leu Lys
Ser Cys Cys Xaa Gly Xaa Cys Asp Gly Xaa Ser Thr Ser Cys Val Ser
Gly Xaa Xaa Ser Ile
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       168
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       365
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<213>
       Conus leopardus
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acagctgaca tctccagagg tacgtggaag catcgtggtg tggggtcgac caccggactc
                                                                       120
tccccgtggc ccttggactg cacggctccc agtcaacctt gtggttattt tcctaggtgc
                                                                       180
tgtggacatt gcgatgtacg cagggtatgt acgagtggct gatccggcgt ctgatctttc
                                                                       240
                                                                       300
egecttetqt getgtateet tttetgeetg agteeteeat accegtgagt ggteatgaac
cactcaacac ctactcctct ggaggcttca gaggaactat attaaaataa agccgcattg
                                                                       360
                                                                       365
caatg
<210>
       169
<211>
       73
<212>
       PRT
       Conus leopardus
<213>
<400> 169
Met Lys Leu Thr Cys Val Val Ile Val Ala Val Leu Phe Leu Thr Ala
Cys Gln Leu Thr Thr Ala Asp Ile Ser Arg Gly Thr Trp Lys His Arg
Gly Val Gly Ser Thr Thr Gly Leu Ser Pro Trp Pro Leu Asp Cys Thr
```

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Ala Pro Ser Gln Pro Cys Gly Tyr Phe Pro Arg Cys Cys Gly His Cys
Asp Val Arg Arg Val Cys Thr Ser Gly
65
<210>
      170
<211>
       30
<212> PRT
<213> Conus leopardus
<220>
<221>
       PEPTIDE
<222>
       (1)..(30)
       Xaa at residue 2, 8, 11 and 16 is Pro or Hyp; Xaa at residue 1 is
       Trp or Bromo Trp; Xaa at residue 14 is Tyr, 125I-Tyr, mono-iodo-
       Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-phospho-Ty
<400> 170
Xaa Xaa Leu Asp Cys Thr Ala Xaa Ser Gln Xaa Cys Gly Xaa Phe Xaa
Arg Cys Cys Gly His Cys Asp Val Arg Arg Val Cys Thr Ser
<210>
       171
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       381
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       DNA
<213>
       Conus leopardus
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tccaggtcgc cctctaggtg catgtctccc ggtggaattt gtggtgattt tggtgactgc
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tgcgaaattt gcaatgtgta cggtatatgt gtgagtgact tacccggcat ctgatctttc
                                                                      240
cgccttctgt gctctatcct tttctgcctg agtcctccat acccctgagt ggtcatggac
                                                                      300
cactcaacac ctactcctct ggaggcttca gaggaactac attaaaataa agccgcattg
                                                                      360
                                                                      381
caaaaaaaaa aaaaaaaaa a
<210> 172
<211>
      77
<212> PRT
<213> Conus leopardus
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Met Lys Leu Thr Cys Val Val Ile Val Ala Val Leu Phe Leu Thr Ala
Cys Gln Leu Thr Thr Ala Asp Ile Ser Arg Gly Thr Arg Lys His Arg
Ala Leu Arg Ser Thr Thr Lys Leu Ser Arg Ser Pro Ser Arg Cys Met
Ser Pro Gly Gly Ile Cys Gly Asp Phe Gly Asp Cys Cys Glu Ile Cys
Asn Val Tyr Gly Ile Cys Val Ser Asp Leu Pro Gly Ile
                     70 -
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<210> 173
<211>
      31
<212>
      PRT
<213>
      Conus leopardus
<220>
<221>
      PEPTIDE
<222>
      Xaa at residue 16 is Glu or gamma-carboxy Glu; Xaa at residue 4 a
      nd 29 is Pro or Hyp; Xaa at residue 21 is Tyr, 125I-Tyr, mono-iod
      o-Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-phospho-Ty
<400> 173
Cys Met Ser Xaa Gly Gly Ile Cys Gly Asp Phe Gly Asp Cys Cys Xaa
Ile Cys Asn Val Xaa Gly Ile Cys Val Ser Asp Leu Xaa Gly Ile
<210>
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<211> 404
<212> DNA
<213> Conus leopardus
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                                                                   120
tecaggtgge ccaggtactg egegeeteec ggtggagett gtgggttttt tgateactge
                                                                   180
                                                                   240
tgcgqatatt gcgaaacgtt ttacaatacg tgtagatgag ttggctgatc cggcgcttga
tettteegee ttetgttget etatettttt etgeetgagt eeteecatae eeegttgagt
                                                                   300
ggtccatgaa ccactccaac acctactccc tccttggaag cttccaaagg aaacgacatt
                                                                   360
404
<210>
      175
      72
<211>
<212> PRT
<213> Conus leopardus
<400> 175
Met Lys Leu Thr Cys Val Val Ile Val Ala Val Leu Phe Leu Thr Ala
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                                                      15
Cys Gln Leu Thr Thr Ala Asp Asp Ser Arg Gly Thr Arg Lys His Arg
Ala Leu Arg Ser Thr Thr Lys Leu Ser Arg Trp Pro Arg Tyr Cys Ala
Pro Pro Gly Gly Ala Cys Gly Phe Phe Asp His Cys Cys Gly Tyr Cys
Glu Thr Phe Tyr Asn Thr Cys Arg
                   70
<210> 176
<211> 27
<212> PRT
<213> Conus leopardus
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<400> 179

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<221>
       PEPTIDE
<222>
       (1)..(27)
      Xaa at residue 20 is Glu or gamma-carboxy Glu; Xaa at residue 4 a
       nd 5 is Pro or Hyp; Xaa at residue 1, 18 and 23 is Tyr, 125I-Tyr,
        mono-iodo-Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-phospho-Ty
<400> 176
Xaa Cys Ala Xaa Xaa Gly Gly Ala Cys Gly Phe Phe Asp His Cys Cys
Gly Xaa Cys Xaa Thr Phe Xaa Asn Thr Cys Arg
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<210>
      177
<211>
       292
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      DNA
<213> Conus lynceus
<400> 177
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tccatgtcga ctcgctgcaa gtctcccgga tcaccatgta gtgtgacatc gtataactgc
                                                                      180
tgcacttttt gctcttcata cactaagaaa tgtcgggcct ctttatgaac cactcatcac
                                                                      240
ctactcctct ggaggcctca gaagagctac actgaaataa aagccgcatt gg
                                                                      292
<210>
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<211>
       7.5
       PRT
<212>
<213>
       Conus lynceus
Met Lys Leu Thr Cys Val Val Ile Val Ala Val Leu Leu Thr Ala
                                    10
Cys Gln Leu Ile Thr Ala Asp Asp Ser Arg Arg Thr Gln Lys His Arg
Ala Leu Arq Ser Thr Thr Asn Leu Ser Met Ser Thr Arg Cys Lys Ser
Pro Gly Ser Pro Cys Ser Val Thr Ser Tyr Asn Cys Cys Thr Phe Cys
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    50
Ser Ser Tyr Thr Lys Lys Cys Arg Ala Ser Leu
                    70
<210>
       179
<211>
       30
<212>
       PRT
<213>
       Conus lynceus
<220>
<221>
       PEPTIDE
<222>
       (1)..(30)
       Xaa at residue 4 and 7 is Pro or Hyp; Xaa at residue 13 and 22 is
        Tyr, 125I-Tyr, mono-iodo-Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-pho
       spho-Ty
```

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Cys Lys Ser Xaa Gly Ser Xaa Cys Ser Val Thr Ser Xaa Asn Cys Cys
                                    10
Thr Phe Cys Ser Ser Xaa Thr Lys Lys Cys Arg Ala Ser Leu
                                25
<210> 180
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      355
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      DNA
<213> Conus lynceus
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                                                                      120
tccatgtata ctcgctgcgc aggtccagga gcaatttgtc ctaatagggt atgctgcggt
                                                                      180
tattgcagta aaagaacaca tctatgtcat tcgcgaactg gctgatcttc ccccttctgt
                                                                      240
gctctatcct ttttctgcct gagtcctcca tacctgagaa tggtcatgaa ccactcatca
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cctactcctc ttggagacct cagaggagct acactgaaat aaaagccgca ttggc
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       74
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       PRT
<213> Conus lynceus
<400> 181
Met Lys Leu Thr Cys Val Val Ile Val Ala Val Leu Leu Thr Ala
                                    10
Cys Gln Leu Ile Thr Ala Asp Asp Ser Arg Gly Thr Gln Lys His Arg
                                                     30
                                25
Ala Leu Arg Ser Thr Thr Lys Leu Ser Met Tyr Thr Arg Cys Ala Gly
Pro Gly Ala Ile Cys Pro Asn Arg Val Cys Cys Gly Tyr Cys Ser Lys
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                        55
Arg Thr His Leu Cys His Ser Arg Thr Gly
<210> 182
<211> 28
<212>
       PRT
<213> Conus lynceus
<220>
       PEPTIDE
<221>
<222>
       (1)..(28)
       Xaa at residue 4 and 9 is Pro or Hyp; Xaa at residue 16 is Tyr, 1
       25I-Tyr, mono-iodo-Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-phospho-Ty
<400> 182
Cys Ala Gly Xaa Gly Ala Ile Cys Xaa Asn Arg Val Cys Cys Gly Xaa
Cys Ser Lys Arg Thr His Leu Cys His Ser Arg Thr
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       DNA
<213> Conus lynceus
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                                                                     120
tocatgotga ctogggootg otggtottoo ggaacacott gtggtactga tagtttatgo
                                                                     180
tgcggtggat gcaatgtatc caaaagtaaa tgtaactagc tgattcggcg tctgaacttc
                                                                     240
cccettctqt qctctatcct tttctqccq agtcctccat acctgagaat ggtcatgaac
                                                                     300
                                                                     360
cactcatcac ctactcctct ggagacctca gaagagctac actgaaataa aagcgcattg
                                                                     361
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      184
<211> 72
<212> PRT
<213> Conus lynceus
<400> 184
Met Lys Leu Thr Cys Val Val Ile Val Ala Val Leu Leu Leu Ala Ala
Cys Gln Leu Leu His Ala Asp Asp Ser Arg Gly Thr Gln Lys Thr Ala
Ala Arg Gly Arg Pro Pro Lys Leu Ser Met Leu Thr Arg Ala Cys Trp
Ser Ser Gly Thr Pro Cys Gly Thr Asp Ser Leu Cys Cys Gly Gly Cys
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Asn Val Ser Lys Ser Lys Cys Asn
<210>
      185
<211>
       27
<212> PRT
<213> Conus lynceus
<220>
<221>
       PEPTIDE
<222>
       (1)..(27)
       Xaa at residue 8 is Pro or Hyp; Xaa at residue 3 is Trp or Bromo
<400> 185
Ala Cys Xaa Ser Ser Gly Thr Xaa Cys Gly Thr Asp Ser Leu Cys Cys
Gly Gly Cys Asn Val Ser Lys Ser Lys Cys Asn
<210>
       186
<211>
       364
<212>
       DNA
<213>
       Conus lynceus
<400> 186
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 acagetqatq actecagagg tacgeagaag categtgeec tgaggtegac caccaatete
                                                                       120
 tccatgctga ctcggaagtg ctggtctccc ggaacctatt gtcgtgcgca tagtaaatgc
                                                                       180
 tgccgtggat gcgatcagaa cagaaataaa tgttactagc tgattcggcg tctgaacttc
                                                                       240
 ctccttctgt gctctatcct ttttctgcct gagtcctcca tacctgagaa tggtcatgaa
                                                                       300
. ccactcatca cctactcctc tggaggcctc agaggagcct acactgaaat aaaagccgca
                                                                       360
                                                                       364
 ttgg
 <210>
        187
 <211>
        72
 <212>
       PRT
 <213>
       Conus lynceus
 <400> 187
Met Lys Leu Thr Cys Val Val Ile Val Ala Glu Leu Leu Thr Ala
 Cys Gln Leu Ile Thr Ala Asp Asp Ser Arg Gly Thr Gln Lys His Arg
Ala Leu Arq Ser Thr Thr Asn Leu Ser Met Leu Thr Arg Lys Cys Trp
                             40
 Ser Pro Gly Thr Tyr Cys Arg Ala His Ser Lys Cys Cys Arg Gly Cys
Asp Gln Asn Arg Asn Lys Cys Tyr
 65
                     70
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 <211>
       27
 <212> PRT
 <213> Conus lynceus
 <220>
 <221>
        PEPTIDE
 <222>
        (1)..(27)
 <223>
        Xaa at residue 5 is Pro or Hyp; Xaa at residue 3 is Trp or Bromo
        Trp; Xaa at residue 8 and 27 is Tyr, 125I-Tyr, mono-iodo-Tyr, di-
        iodo-Tyr, O-sulpho-Tyr or O-phospho-Ty
 <400> 188
 Lys Cys Xaa Ser Xaa Gly Thr Xaa Cys Arg Ala His Ser Lys Cys
 Arg Gly Cys Asp Gln Asn Arg Asn Lys Cys Xaa
 <210>
        189
 <211>
        318
 <212>
        DNA
 <213>
        Conus magus
 <400> 189
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                                                                       120
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aggtoggaca ccaaactoto catgtogact ogotgcaagg gtacaggaaa accatgcagt

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aggattgcgt ataactgctg caccggttct tgcagatcag gtaaatgtgg ctgatccagt
                                                                      240
gcctgatctt cccccttctg tgctctatcc tttttctgcc tgagtcctcc ttacctgaga
                                                                      300
                                                                      318
gtggtcatga accactca
<210>
      190
<211>
      71
<212>
      PRT
<213> Conus magus
<400> 190
Met Lys Leu Thr Cys Val Val Ile Val Ala Val Leu Leu Leu Thr Ala
Cys Gln Leu Ile Thr Ala Asp Asp Ser Arg Gly Thr Gln Lys His Arg
Ala Leu Arg Ser Asp Thr Lys Leu Ser Met Ser Thr Arg Cys Lys Gly
Thr Gly Lys Pro Cys Ser Arg Ile Ala Tyr Asn Cys Cys Thr Gly Ser
Cys Arg Ser Gly Lys Cys Gly
<210>
       191
<211>
       25
<212>
      PRT
<213>
      Conus magus
<220>
       PEPTIDE
<221>
<222>
       (1)..(25)
       Xaa at residue 7 is Pro or Hyp; Xaa at residue 13 is Tyr, 125I-Ty
<223>
       r, mono-iodo-Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-phospho-Ty
<400> 191
Cys Lys Gly Thr Gly Lys Xaa Cys Ser Arg Ile Ala Xaa Asn Cys Cys
Thr Gly Ser Cys Arg Ser Gly Lys Cys
<210>
       192
<211>
       259
<212>
      DNA
<213>
       Conus magus
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                                                                      120
aagtcggaca ccaaactctc catgttaact ttgcgctgcg catcttacgg aaaaccttgt
                                                                      180
ggtatttaca acgactgctg caatacatgc gatccagcca gaaagacatg tacgtagctg
                                                                      240
atccggcgtc tgatcttcc
                                                                      259
<210>
       193
<211>
       72
<212> PRT
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<213> Conus magus
<400> 193
Met Lys Leu Thr Cys Val Val Ile Val Ala Val Leu Leu Thr Ala
Cys Gln Leu Ile Thr Ala Asp Asp Ser Arg Gly Thr Gln Lys His Arg
Ala Leu Lys Ser Asp Thr Lys Leu Ser Met Leu Thr Leu Arg Cys Ala
Ser Tyr Gly Lys Pro Cys Gly Ile Tyr Asn Asp Cys Cys Asn Thr Cys
Asp Pro Ala Arg Lys Thr Cys Thr
<210> 194
<211>
       26
<212>
      PRT
<213> Conus magus
<220>
<221>
      PEPTIDE
<222>
<223> Xaa at residue 7 and 20 is Pro or Hyp; Xaa at residue 4 and 11 is
        Tyr, 125I-Tyr, mono-iodo-Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-pho
       spho-Ty
<400> 194
Cys Ala Ser Xaa Gly Lys Xaa Cys Gly Ile Xaa Asn Asp Cys Cys Asn
Thr Cys Asp Xaa Ala Arg Lys Thr Cys Thr
<210>
       195
<211>
      254
<212> DNA
<213> Conus magus
<400> 195
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                                                                     120
                                                                     180
agcatcgtgc cctgaggtcg gacaccaaac tctccatgtc aactcgctgc aagggtaaag
gagcatcatg tcataggact tcgtatgact gctgcaccgg ttcttgcaac agaggtaaat
                                                                     240
                                                                     254
ttggctgatc cgcc
<210> 196
<211> 71
<212> PRT
<213> Conus magus
<400> 196
Met Lys Leu Thr Cys Val Val Ile Val Ala Val Leu Leu Thr Ala
                                    10
Cys Gln Leu Ile Thr Ala Asp Asp Ser Arg Gly Thr Gln Lys His Arg
```

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Ala Leu Arg Ser Asp Thr Lys Leu Ser Met Ser Thr Arg Cys Lys Gly
Lys Gly Ala Ser Cys His Arg Thr Ser Tyr Asp Cys Cys Thr Gly Ser
Cys Asn Arg Gly Lys Phe Gly
      197
<210>
<211>
      25
<212> PRT
<213> Conus magus
<220>
       PEPTIDE
<221>
<222>
       (1)..(25)
       Xaa at residue 13 is Tyr, 125I-Tyr, mono-iodo-Tyr, di-iodo-Tyr, O
       -sulpho-Tyr or O-phospho-Ty
<400> 197
Cys Lys Gly Lys Gly Ala Ser Cys His Arg Thr Ser Xaa Asp Cys Cys
Thr Gly Ser Cys Asn Arg Gly Lys Cys
<210>
       198
<211>
       358
<212>
       DNA
<213>
       Conus miles
<400> 198
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                                                                       60
                                                                      120
ctcgctacag ctgcgagcta cgccaaaggt aaacagaagc atcgtgctct gaggccagct
qacaaacacc tcaqqttqac caaqcqttqc aatqatcqcq gtqqaqqttq caqtcaacat
                                                                      180
cctcactgct gcggtggaac ttgcaataag cttattggcg tatgtctgta aagctggtct
                                                                      240
gccgtctgat attccctttc tgtgcttcat cctcttttgc ctgagtcatc catacctgtg
                                                                      300
aatggttaag agccactcaa tacctattcc tctgggggct tcagaggaac tactttac
                                                                      358
<210>
       199
       74
<211>
<212>
      PRT
<213> Conus miles
<400> 199
Met Lys Leu Thr Cys Val Val Ile Ile Ala Met Leu Phe Leu Thr Ala
Tyr Gln Leu Ala Thr Ala Ala Ser Tyr Ala Lys Gly Lys Gln Lys His
Arg Ala Leu Arg Pro Ala Asp Lys His Leu Arg Leu Thr Lys Arg Cys
Asn Asp Arg Gly Gly Gly Cys Ser Gln His Pro His Cys Cys Gly Gly
Thr Cys Asn Lys Leu Ile Gly Val Cys Leu
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<210> 200
<211> 27
<212> PRT
<213> Conus arenatus
<220>
<221> PEPTIDE
<222>
       (1)..(27)
      Xaa at residue 12 is Pro or Hyp
<400> 200
Cys Asn Asp Arg Gly Gly Cys Ser Gln His Xaa His Cys Cys Gly
Gly Thr Cys Asn Lys Leu Ile Gly Val Cys Leu
<210>
       201
<211>
       292
<212>
       DNA
<213> Conus monachus
<400> 201
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acggcctgtc aactcatcac agctgatgac tccagaggta cgcagaagca tcgtgccctg
                                                                     120
aggtcggaca ccaaactctc catatcgact cgctgcaagt ctacaggaaa atcatgcagt
                                                                     180
                                                                     240
aggattqcqt ataactqctg caccggttct tgcagatcag gtaaatgtgg ctgatccagc
                                                                      292
gcctgatctt cccccttctg tgctctatcc ttttctgcct gagtcctcct ta
       202
<210>
<211>
       71
<212> PRT
<213> Conus monachus
<400> 202
Met Lys Leu Thr Ser Val Val Ile Val Ala Val Leu Lèu Leu Thr Ala
                                    10
Cys Gln Leu Ile Thr Ala Asp Asp Ser Arg Gly Thr Gln Lys His Arg
Ala Leu Arg Ser Asp Thr Lys Leu Ser Ile Ser Thr Arg Cys Lys Ser
Thr Gly Lys Ser Cys Ser Arg Ile Ala Tyr Asn Cys Cys Thr Gly Ser
Cys Arg Ser Gly Lys Cys Gly
<210>
       203
<211>
       25
<212>
       PRT
<213>
       Conus monachus
<220>
<221>
       PEPTIDE
<222>
       (1)..(25)
       Xaa at residue 13 is Tyr, 125I-Tyr, mono-iodo-Tyr, di-iodo-Tyr, O
<223>
       -sulpho-Tyr or O-phospho-Ty
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<400> 203
Cys Lys Ser Thr Gly Lys Ser Cys Ser Arg Ile Ala Xaa Asn Cys Cys
Thr Gly Ser Cys Arg Ser Gly Lys Cys
            2.0
<210>
      204
<211>
      258
<212>
      DNA
<213>
      Conus monachus
<400> 204
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acqqcctqtc aactcatcac agctgatgac tccagaggta cgcagaagca tcgtgccctg
aggtcggaca ccaacctctc catgtcgact cgctgcaagg gtaaaggatc ttcatgtagt
                                                                      180
                                                                      240
aggaccatgt ataactgctg caccggttct tgcaacagag gtaaatgtgg ctgatccagc
                                                                      258
gcctgatctt cccccttc
<210> 205
<211>
      71
<212>
      PRT
<213> Conus monachus
<400> 205
Met Lys Leu Thr Ser Val Val Ile Val Ala Val Leu Leu Thr Ala
                                    1.0
Cys Gln Leu Ile Thr Ala Asp Asp Ser Arg Gly Thr Gln Lys His Arg
                                 25
Ala Leu Arg Ser Asp Thr Asn Leu Ser Met Ser Thr Arg Cys Lys Gly
Lys Gly Ser Ser Cys Ser Arg Thr Met Tyr Asn Cys Cys Thr Gly Ser
Cys Asn Arg Gly Lys Cys Gly
<210> 206
<211> 25
<212> PRT
<213> Conus monachus
<220>
      PEPTIDE
<221>
<222>
      (1)..(25)
      Xaa at residue 13 is Tyr, 125I-Tyr, mono-iodo-Tyr, di-iodo-Tyr, O
       -sulpho-Tyr or O-phospho-Ty
<400> 206
Cys Lys Gly Lys Gly Ser Ser Cys Ser Arg Thr Met Xaa Asn Cys Cys
                                    10
Thr Gly Ser Cys Asn Arg Gly Lys Cys 20 25
<210>
       207
<211> 258
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<212> DNA
<213>
      Conus obscurus
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qqtactacqq qaqtctqttq cqqtttttqc agtgatttcq gctataaatg tagggactat
                                                                      120
ccccaaaact gatetteece ettetgtget etateetttt etgteegagt eeteetgace
                                                                      180
tgagagtggt catgaaccac tcatcaccta cccctctggg gcttcacagg atctacattg
                                                                      240
                                                                      258
aaataaaagc cgcattgc
       208
<210>
<211>
       39
<212>
      PRT
<213>
      Conus obscurus
<400> 208
Leu Leu Asp Arg Ser Pro Pro Cys Met Lys Gly Ser Ser Cys Arg
1
Gly Thr Thr Gly Val Cys Cys Gly Phe Cys Ser Asp Phe Gly Tyr Lys
                                 25
Cys Arg Asp Tyr Pro Gln Asn
        35
       209
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       Xaa at residue 2, 3 and 33 is Pro or Hyp; Xaa at residue 27 and 3
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       2 is Tyr, 125I-Tyr, mono-iodo-Tyr, di-iodo-Tyr, O-sulpho-Tyr or O
       -phospho-Ty
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Xaa Gln Asn
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tecageggtt gatetteete eetetgtget eeateetttt etgeetgagt teteettace
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tgagagtggt catgaaccac tcatcaccta ctcttctgga ggcttcagag gagctacatt
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Ile Arg Cys Cys Gly Thr Cys Ser Ser Ile Leu Lys Ser Cys Val Ser
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<220>
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Cys Leu Xaa Asp Gly Thr Ser Cys Leu Phe Ser Arg Ile Arg Cys Cys
Gly Thr Cys Ser Ser Ile Leu Lys Ser Cys Val Ser
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<211> 330
<212> DNA
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<220>
<221> misc feature
<222> (1)..(330)
<223> n may be any nucleotide
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aactccaagt tgactaggca gtgctcgcct aacggtggat cttgttctcg tcattttcac
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tgctgcagcc tctattgcaa taaaaatact ggcgtatgta ttgcaaccta atacccgtgt
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qtqqtcatqa accactcaat acctctcct ctqqaqqctt caqaqqaact qcattqaaat
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aaaactgcat tgcnttgacc aaaaaaaaaa
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Cys Gln Leu Ile Thr Ala Glu Thr Tyr Ser Arg Gly Lys Gln Lys His
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Tyr Cys Asn Lys Asn Thr Gly Val Cys Ile Ala Thr
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      Conus pulicarius
<213>
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<221>
      PEPTIDE
<222>
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      Xaa at residue 1 is Gln or pyro-Glu; Xaa at residue 4 is Pro or H
       yp; Xaa at residue 19 is Tyr, 125I-Tyr, mono-iodo-Tyr, di-iodo-Ty
       r, O-sulpho-Tyr or O-phospho-Ty
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Ser Leu Xaa Cys Asn Lys Asn Thr Gly Val Cys Ile Ala Thr
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       DNA
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gccacgtcga atcgcccctg caagacaccc ggacgaaaat gttttccgca tcagaaggac
                                                                       180
tgctgcggtc gagcgtgcat catcacaata tgtccctgat cttccccctt ctgtgctgta
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                                                                       282
tccttttctg cctgagtctc cttacctgag agtggtcatg aa
       217
<210>
       72
<211>
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 <213> Conus purpurascens
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 Cys Gln Leu Ile Thr Ala Asp Asp Ser Arg Arg Thr Gln Lys His Arg
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 Thr Pro Gly Arg Lys Cys Phe Pro His Gln Lys Asp Cys Cys Gly Arg
 Ala Cys Ile Ile Thr Ile Cys Pro
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       (1)..(27)
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Cys Gly Arg Ala Cys Ile Ile Thr Ile Cys Xaa
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aggtcgacca ccaaactctt cacgtcgaaa agctgcaagc ttcccggagc atattgtaat
                                                                      180
gcagaagatt atgactgctg ccttagatgc aaagttggag gtacatgtgg ctgatccagt
                                                                      240
gcctgatctt cccccttctg tgctctatcc ttttctgcct gagtcctcct tacctaagag
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Ala Leu Arg Ser Thr Thr Lys Leu Phe Thr Ser Lys Ser Cys Lys Leu
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Lys Val Gly Gly Thr Cys Gly 65 70
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       26
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       PRT
<213> Conus purpurascens
<220>
<221> PEPTIDE
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      s Pro or Hyp; Xaa at residue 8 and 14 is Tyr, 125I-Tyr, mono-iodo
       -Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-phospho-Ty
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Cys Leu Arg Cys Lys Val Gly Gly Thr Cys
<210>
      222
<211>
      317
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      DNA
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      Conus purpurascens
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gccacgtcga atcgccctg caagaaaacc ggacgaaaat gttttccgca tcagaaggac
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tqctqcqqtc qaqcqtqcat catcacaata tqtccctgat cttccccctt ctqtqctqta
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teettttetq cetqaqteet cettacetqa qaqtqqteat qaaccactca teacettete
                                                                     300
                                                                     317
ctctggaggc ttcagag
<210> 223
<211>
      72
<212> PRT
<213> Conus purpurascens
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Cys Gln Leu Ile Thr Ala Asp Asp Ser Arg Arg Thr Gln Lys His Arg
Ala Leu Arg Ser Thr Thr Lys Arg Ala Thr Ser Asn Arg Pro Cys Lys
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Lys Thr Gly Arg Lys Cys Phe Pro His Gln Lys Asp Cys Cys Gly Arg
Ala Cys Ile Ile Thr Ile Cys Pro
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       PEPTIDE
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       (1)..(27)
<223>
      Xaa at residue 1, 11 and 27 is Pro or Hyp
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<213> Conus radiatus
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atcacaqctq atqactccaq aggtatqcaq aaacatcatq ccctggggtc gatcagcagt
                                                                     180
ctctttaagt cgacccgtca tggctgcaaa cccctcaaac gtcgttgttt caatgataaa
                                                                     240
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qaatqctqca qcaaattttq caattcagtc cgaaagcagt gtggataaat ggctaaaaaa
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<212> PRT
<213> Conus radiatus
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        35
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Phe Cys Asn Ser Val Arg Lys Gln Cys Gly
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      28
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<220>
<221>
      PEPTIDE
<222>
       (1)..(28)
<223> Xaa at residue 15 is Glu or gamma-carboxy Glu; Xaa at residue 5 i
       s Pro or Hy
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tttcttcgta taactgctgc tcttcttgca aatcatacaa caagaaatgt ggctgaactt

cccettetgt getetateet titeetgeee gagteeteea tacetgagag tagteatgaa	360
ccactgatta cctactcctc tggagggcct cagaggagct actttgaaat aaaagcccgc	420
attgcaaaaa aaaaa	435
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Cys Gln Leu Ile Thr Ala Asp Asp Ser Arg Gly Met Gln Lys His His 20 25 30	
Ala Leu Arg Ser Ile Thr Lys Leu Ser Leu Ser Thr Arg Cys Lys Pro 35 40 45	
Pro Gly Ser Pro Cys Arg Val Ser Ser Tyr Asn Cys Cys Ser Ser Cys 50 60	
Lys Ser Tyr Asn Lys Lys Cys Gly 65 70	
<210> 233 <211> 27 <212> PRT <213> Conus radiatus	
<pre>&lt;220&gt; &lt;221&gt; PEPTIDE &lt;222&gt; (1)(27) &lt;223&gt; Xaa at residue 3, 4 and 7 is Pro or Hyp; Xaa at residue 13 ar     is Tyr, 125I-Tyr, mono-iodo-Tyr, di-iodo-Tyr, O-sulpho-Tyr     phospho-Ty</pre>	
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Ser Ser Cys Lys Ser Xaa Asn Lys Lys Cys Gly 20 25	
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totcaatgot geagtggato ttgcaataag actgeaggeg tatgtetgta aagetggtet	240
geogtotgat attocottto tgtgotttat cotottttgo etgagtoato catacetgtg	300
aatggttaag agccactcaa tacctactcc tctgggggct tcagaggaac tacattaaat	360

392 aaaqccacat tqcaaaaaaa aaaaaaaaaa aa 235 <210> <211> 74 <212> PRT <213> Conus rattus <400> 235 Met Lys Leu Thr Cys Met Val Ile Ile Ala Val Leu Phe Leu Thr Ala Cys Gln Phe Asp Thr Ala Ala Ser Tyr Asp Lys Gly Lys Gln Lys Pro Pro Thr Leu Arg Pro Ala Asp Lys His Ile Arg Leu Thr Lys Arg Cys Asn Ala Arg Asn Asp Gly Cys Ser Gln His Ser Gln Cys Cys Ser Gly Ser Cys Asn Lys Thr Ala Gly Val Cys Leu <210> 236 <211> 27 <212> PRT <213> Conus rattus <400> 236 Cys Asn Ala Arg Asn Asp Gly Cys Ser Gln His Ser Gln Cys Cys Ser Gly Ser Cys Asn Lys Thr Ala Gly Val Cys Leu <210> 237 <211> 395 <212> DNA <213> Conus rattus <400> 237 60 ggatccatga aactgacgtg cgtggtgatc atcgccgtgc tgttcctgac agcctgtcaa ctcqatqcaq ctqcqaqcta cgacaaaggt aagcagaaac ctcctactct gaggccagct 120 gacaaacact tcaggttgat caagcgttgc aatgctcgca atagtggttg cagtcaacat 180 cctcaatgct gcagtggatc ttgcaataag actgcaggcg tatgtctgta aagctggtct 240 300 gccgtctgat attccctttc tgtgctttat cctcttttgc ctgagtcatc catacctgtg aatgqttaaq aqccactcaa tacctactcc tctgggggct tcagaggaac tacattaaat 360 395 aaagccacat tgcaacgaaa aaaaaaaaaa aaaaa <210> 238 <211> 74 <212> PRT <213> Conus rattus <400> 238 Met Lys Leu Thr Cys Val Val Ile Ile Ala Val Leu Phe Leu Thr Ala

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Ser Cys Asn Lys Thr Ala Gly Val Cys Leu 65 70	
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Gly Ser Cys Asn Lys Thr Ala Gly Val Cys Leu 20 25	
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gacaaacact tcaggttgat caagcgttgc aatgctcgca atagtggttg cagtcaacat	180
cctcaatgct gcagtggatc ttgcaataag actttgggcg tatgtctgta aagctggtct	240
gccgtctgat attccctttc tgtgctttat cctcttttgc ctgagtcatc catacctgtg	300
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Asn Ala Arg Asn Ser Gly Cys Ser Gln His Pro Gln Cys Cys Ser Gly 50 60	

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gaaataaaag ccgcattgc
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       73
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       (1)..(27)
<223>
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       -Tyr, O-sulpho-Tyr or O-phospho-Ty
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Ser Gly Ser Cys Ser Gly Xaa Thr Gly Arg Cys
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       246
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      35
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       (1)..(35)
       Xaa at residue 33 is Pro or Hyp; Xaa at residue 10, 21, 24 and 32
         is Tyr, 125I-Tyr, mono-iodo-Tyr, di-iodo-Tyr, O-sulpho-Tyr or O
       -phospho-Ty
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Ile Cys Cys Gly Xaa Cys Ala Xaa Phe Gly Lys Lys Cys Ile Asp Xaa
Xaa Ser Asn
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Ser Tyr Gly Lys Pro Cys Gly Ile Asp Asn Asp Cys Cys Asn Ala Cys
Asp Pro Ala Arg Asn Ile Cys Thr
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      26
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<213> Conus stercusmuscarum
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Ala Cys Asp Xaa Ala Arg Asn Ile Cys Thr
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      Conus stercusmuscarum
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qactqctqca atqcatqcqa tccaqccaqa aatatatqta cqtaqctqat ccqqcqtctq
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                                                                      300
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                                                                      388
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<210>
       251
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       72
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       PRT
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Cys Gln Leu Ile Thr Ala Asp Asp Ser Arg Gly Thr Gln Glu His Arg
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Ala Leu Arg Ser Lys Thr Lys Leu Ser Met Leu Thr Leu Arg Cys Val

	35					40					45				
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Asp Pro	) Ala	Arg .		Ile 70	Cys	Thr									
<210> <211> <212> <213>	252 26 PRT Conus	s ste	rcus	musc	arum	L									
<220> <221> <222> <223>	Xaa a	(26) at re	sidu mono	e 7 -iod	and lo-Ty	20 i r, d	s Pr li-io	o or do-T	Hyp yr,	); Xā O-su	a at lpho	res -Tyr	sidue or	e 4 is O-phos	Tyr, 1 pho-Ty
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Ala Cy	s Asp	Xaa 20	Ala	Arg	Asn	Ile	Cys 25	Thr							
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aggtcg	acca (	ccaaa	igtct	c ca	aaggo	cgact	gad	ctgca	ittg	aago	ccgga	aa t	ctati	tgcgga	180
cctact	gtta 1	tgaaa	atct	g ct	gegç	gcttt	tgo	cagto	cat	aca	gcaaa	at a	atgta	atgaac	240
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Cys Gl	n Leu	Ile 20	Thr	Ala	Asp	Asp	Ser 25	Arg	Gly	Thr	Gln	Lys 30	His	Arg	
Ser Le	u Arg 35	Ser	Thr	Thr	Lys	Val 40	Ser	Lys	Ala	Thr	Asp 45	Cys	Ile	Glu	
Ala Gl 50	_	Tyr	Cys	Gly	Pro 55	Thr	Val	Met	Lys	Ile 60	Cys	Cys	Gly	Phe	
Cys Se	r Pro	Tyr	Ser	Lys	Ile	Cys	Met	Asn	Tyr 75	Pro	Lys	Asn			

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<212>
<213>
      Conus striatus
<220>
<221>
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      (1)..(36)
<223> Xaa at residue 6 is Glu or gamma-carboxy Glu; Xaa at residue 13,
       25 and 34 is Pro or Hyp; Xaa at residue 10, 26 and 33 is Tyr, 125
       I-Tyr, mono-iodo-Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-phospho-Ty
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Lys Ile Cys Cys Gly Phe Cys Ser Xaa Xaa Ser Lys Ile Cys Met Asn
Xaa Xaa Lys Asn
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      Conus striatus
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tgctctatcc ttttctgcct gggtcctcct tacctgagag tggtcatgaa ccactcatca
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Asp Cys Cys Ser Gly Ser Cys Gly Arg Arg Gly Lys Cys Gly
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<220>
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      (1)..(26)
      Xaa at residue 13 is Tyr, 125I-Tyr, mono-iodo-Tyr, di-iodo-Tyr, O
       -sulpho-Tyr or O-phospho-Ty
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Ser Gly Ser Cys Gly Arg Arg Gly Lys Cys
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                                                                      120
                                                                      180
aggtcggaca ccaaactete catgtcgact cgctgcaagg ctgcaggaaa atcatgcagt
aggattgcgt ataactgctg caccggttct tgcagatcag gtaaatgcgg ctgatccagc
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geotgatett ecceettetg tgetetatee tttetgeetg agteetetta eetgagagtg
                                                                      300
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<212> PRT
<213> Conus striatus
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Cys Gln Leu Ile Thr Ala Asp Asp Ser Arg Gly Thr Gln Lys His Arg
Ala Leu Arg Ser Asp Thr Lys Leu Ser Met Ser Thr Arg Cys Lys Ala
Ala Gly Lys Ser Cys Ser Arg Ile Ala Tyr Asn Cys Cys Thr Gly Ser
Cys Arg Ser Gly Lys Cys Gly
<210> 261
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<212> PRT
<213> Conus striatus
<220>
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<222>
      (1)..(25)
      Xaa at residue 13 is Tyr, 125I-Tyr, mono-iodo-Tyr, di-iodo-Tyr, O
       -sulpho-Tyr or O-phospho-Ty
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Thr Gly Ser Cys Arg Ser Gly Lys Cys
<210>
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<212> DNA
<213> Conus striatus
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aggtcggaca ccaaactctc catgttaact ttgcgctgcg aatcttacgg aaaaccttgt 180										
ggtatttaca acgactgctg caatgcatgc gatccagcca aaaagacatg tacgtagctg 240										
atccggcgtc tgatct 256										
<210> 263 <211> 72 <212> PRT <213> Conus striatus										
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Cys Gln Leu Ile Thr Ala Asp Asp Ser Arg Gly Thr Gln Glu His Arg 20 25 30										
Ala Leu Arg Ser Asp Thr Lys Leu Ser Met Leu Thr Leu Arg Cys Glu 35 40 45										
Ser Tyr Gly Lys Pro Cys Gly Ile Tyr Asn Asp Cys Cys Asn Ala Cys 50 55										
Asp Pro Ala Lys Lys Thr Cys Thr 65 70										
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tgcctgagtc ctccttacct gagagtggtc gtgaaccact catcgcctac tcctctggag 180										
gcttcagagg ggctacacta aaataaaagc tatattgcaa tgaaaaaaa 229										

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       266
<211>
       24
       PRT
<212>
<213> Conus striatus
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Arg Cys Tyr Arg Gly Lys Cys Thr
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<210>
<211>
       24
<212> PRT
<213>
      Conus striatus
<220>
<221>
      PEPTIDE
<222>
      (1)..(24)
      Xaa at residue 7 is Pro or Hyp; Xaa at residue 19 is Tyr, 125I-Ty
       r, mono-iodo-Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-phospho-Ty
<400> 267
Cys Arg Ser Ser Gly Ser Xaa Cys Gly Val Thr Ser Ile Cys Cys Gly
                                    10
Arg Cys Xaa Arg Gly Lys Cys Thr
            20
<210>
       268
<211>
       26
<212>
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      Conus striatus
<220>
<221>
       PEPTIDE
<222>
       (1)..(26)
<223>
      Xaa at residue 13 is Tyr, 125I-Tyr, mono-iodo-Tyr, di-iodo-Tyr, O
       -sulpho-Tyr or O-phospho-Ty
<400> 268
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                                    10
Ser Gly Ser Cys Gly Arg Ser Gly Lys Cys
<210>
       269
<211>
       292
<212>
      DNA
<213>
      Conus striolatus
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                                                                      120
aggtcgacta ctaaagtctc catgtcgact cgctgcaagg gtaaaggagc atcatgtctt
                                                                      180
aggactgcgt atgactgctg caccggttct tgcaacagag gtagatgtgg ctgatccagc
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gtctgatctt cccccttctg tgctctatcc ttttctgctt gagtcctcct ta
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<211>
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<213> Conus striolatus
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Cys Arg Leu Ile Thr Ala Asp Asp Ser Arg Gly Thr Gln Lys His Arg
Ser Leu Arg Ser Thr Thr Lys Val Ser Met Ser Thr Arg Cys Lys Gly
Lys Gly Ala Ser Cys Leu Arg Thr Ala Tyr Asp Cys Cys Thr Gly Ser
Cys Asn Arg Gly Arg Cys Gly
65
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<211> 25
<212>
      PRT
<213> Conus striolatus
<220>
<221>
       PEPTIDE
<222>
       (1)..(25)
<223> Xaa at residue 13 is Tyr, 125I-Tyr, mono-iodo-Tyr, di-iodo-Tyr, O
       -sulpho-Tyr or O-phospho-Ty
<400> 271
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Thr Gly Ser Cys Asn Arg Gly Arg Cys
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                                                                     120
tegacegtea gaegeteeaa gteegagttg actaegagat geaggeette aggateeaae
                                                                     180
tgtggtaata ttagtatctg ctgtggtaga tgcgttaaca gaagatgtac gtagctcatc
                                                                     240
gggcgtctga tctttcccc
                                                                     259
<210>
       273
<211>
       71
<212>
       PRT
<213> Conus striolatus
<400> 273
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Gln Leu Ile Thr Ala Glu Asp Ser Arg Gly Thr Gln Lys His Arg Thr
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Leu Arg Ser 35	Thr Val Arg	Arg Ser I	Lys Ser Gl	u Leu Thr 45	Thr Arg Cys							
Arg Pro Ser 50	Gly Ser Asn	Cys Gly A	Asn Ile Se	r Ile Cys 60	Cys Gly Arg							
Cys Val Asn 65	Arg Arg Cys 70	Thr										
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<220> <221> PEPTIDE <222> (1)(24) <223> Xaa at residue 3 is Pro or Hyp												
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Arg Cys Val	Asn Arg Arg 20	Cys Thr										
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aggtcgacta	ccaaagtctc c	aagtcgact	agctgcate	ga aagccgg	gtc ttattgcgtc	180						
gctactacga	gaatctgctg c	ggttattgc	gcttattt	cg gcaaaat	atg tattgactat	240						
cccaaaaact	gatcttcccc c	tactgtgct	ctatcctt	:t		280						
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Cys Gln Le	ı Ile Thr Ala 20	Glu Asp	Ser Arg G. 25	ly Thr Glr	n Lys His Arg 30							
Ser Leu Aro	g Ser Thr Thr	Lys Val 40	Ser Lys S	er Thr Sei 45	c Cys Met Lys							
Ala Gly Ser 50	f Tyr Cys Val	Ala Thr	Thr Arg I	le Cys Cys 60	s Gly Tyr Cys							
Ala Tyr Phe	e Gly Lys Ile 70	e Cys Ile	Asp Tyr P		n							

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<213> Conus striolatus
<220>
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<221>
<222>
       (1)..(35)
      Xaa at residue 33 is Pro or Hyp; Xaa at residue 10, 21, 24 and 32
        is Tyr, 125I-Tyr, mono-iodo-Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-
       phospho-Ty
<400> 277
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Ile Cys Cys Gly Xaa Cys Ala Xaa Phe Gly Lys Ile Cys Ile Asp Xaa
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Xaa Lys Asn
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<213>
       Conus textile
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tcgtccttac ctgagagtgg tcatgaacca ctcatcacct actcctctgg aggc
                                                                      174
<210>
       279
<211>
      31
<212>
      PRT
<213> Conus textile
<400> 279
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Asp Cys Cys Ser His Gln Cys Asn Ile Asn Arg Asn Lys Cys Glu
<210>
       280
<211>
       28
<212>
       PRT
<213>
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<220>
<221>
       PEPTIDE
<222>
       (1)..(28)
       Xaa at residue 28 is Glu or gamma-carboxy Glu; Xaa at residue 4 i
       s Pro or Hyp; Xaa at residue 1 and 11 is Tyr, 125I-Tyr, mono-iodo
       -Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-phospho-Ty
<400> 280
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Ser His Gln Cys Asn Ile Asn Arg Asn Lys Cys Xaa
            20
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      28
<211>
<212> PRT
<213> Conus textile
<220>
<221> PEPTIDE
      (1)..(28)
<222>
       Xaa at residue 28 is Glu or gamma-carboxy Glu; Xaa at residue 4 i
<223>
       s Pro or Hyp; Xaa at residue 1 and 11 is Tyr, 125I-Tyr, mono-iodo
       -Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-phospho-Ty
<400> 281
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Ser His Gln Cys Asn Ile Asn Arg Asn Lys Cys Xaa
<210>
       282
<211>
      379
<212> DNA
<213> Conus tulipa
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                                                                      120
gggcggacca ccaaactcac cttgtcgact cgctgcaaat cacccggatc tccatgttca
                                                                      180
ccgactagtt ataattgctg ctggtcttgc agtccataca gaaaaaaatg taggggctaa
                                                                      240
                                                                      300
tocagogoot gattttcccc cttctgtgct ctattccttt ctgcctgagt cctccttacc
tgaaagtggt catgaaccac tcatcaccta cttctctgga ggcttcggag gagctacatt
                                                                      360
                                                                      379
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       283
<211>
       73
<212>
       PRT
<213>
       Conus tulipa
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Cys Gln Leu Ile Thr Ala Leu His Ser Arg Gly Thr Gln Lys His Arg
Ala Leu Gly Arg Thr Thr Lys Leu Thr Leu Ser Thr Arg Cys Lys Ser
 Pro Gly Ser Pro Cys Ser Pro Thr Ser Tyr Asn Cys Cys Trp Ser Cys
 Ser Pro Tyr Arg Lys Lys Cys Arg Gly
<210> 284
<211>
       27
       PRT
 <212>
 <213> Conus tulipa
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<220>
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<222>
      (1)..(27)
      Xaa at residue 3, 7, 10 and 21 is Pro or Hyp; Xaa at residue 17 i
       s Trp or Bromo Trp; Xaa at residue 13 and 22 is Tyr, 125I-Tyr, mo
       no-iodo-Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-phospho-Ty
<400> 284
Cys Lys Ser Xaa Gly Ser Xaa Cys Ser Xaa Thr Ser Xaa Asn Cys Cys
Xaa Ser Cys Ser Xaa Xaa Arg Lys Lys Cys Arg
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      285
<211>
       379
<212>
      DNA
<213>
      Conus tulipa
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                                                                      120
gggtcgacca ccaaactcac cttgtcgact cgctgcttgt cacccggatc ttcatgttca
                                                                      180
ccqactagtt ataattqctq caqqtcttqc aatccataca gcagaaaatg taggggctaa
                                                                      240
tocagegeet gatetteece ettetgtget etatteettt etgeetgagt eeteettace
                                                                      300
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                                                                      360
                                                                      379
gaaataaaag ccgcattgc
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       286
       73
<211>
<212>
       PRT
<213> Conus tulipa
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Cys Gln Leu Ile Thr Ala Leu His Ser Arg Gly Thr Gln Lys His Arg
Ala Leu Gly Ser Thr Thr Lys Leu Thr Leu Ser Thr Arg Cys Leu Ser
Pro Gly Ser Ser Cys Ser Pro Thr Ser Tyr Asn Cys Cys Arg Ser Cys
                        55
                                            60
    50
Asn Pro Tyr Ser Arg Lys Cys Arg Gly
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       287
<211>
       27
<212>
       PRT
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       Conus tulipa
<220>
<221>
       PEPTIDE
<222>
       (1)..(27)
       Xaa at residue 4, 10 and 21 is Pro or Hyp; Xaa at residue 13 and
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22 is Tyr, 125I-Tyr, mono-iodo-Tyr, di-iodo-Tyr, O-sulpho-Tyr or

o Tr

<400> 290

O-phospho-Ty <400> 287 Cys Leu Ser Xaa Gly Ser Ser Cys Ser Xaa Thr Ser Xaa Asn Cys Cys 1.0 Arg Ser Cys Asn Xaa Xaa Ser Arg Lys Cys Arg <210> 288 <211> 401 <212> DNA <213> Conus viola <400> 288 accaaaacca tcatcaaaat gaaactgacg tgtgtggtga tcgtcgccgt gctgctcctg 60 120 acggcctgtc agctcattac agctgatgac tccagaggta cgcagttgca tcgtgccctg aggaaggcca ccaaactccc cgtgtcgact cgctgcatta ctttaggaac acgatgtaag 180 gttccgagtc aatgctgcag atcttcttgc aagaacggtc gttgtgctcc atcccctgaa 240 300 qaatqqtaaa tqtqqctgat ccagcqcctg atcttccccc ttctgactgt ctccgacctt 360 ttctqcctqa qtcctcctta cctgagaggt gtcatgaacc actcatcacc tactcccctg gaagcttcag aggagctaca ttgaaataaa agccgcattg c 401 289 <210> <211> 76 <212> PRT <213> Conus viola <400> 289 Met Lys Leu Thr Cys Val Val Ile Val Ala Val Leu Leu Thr Ala Cys Gln Leu Ile Thr Ala Asp Asp Ser Arg Gly Thr Gln Leu His Arg Ala Leu Arg Lys Ala Thr Lys Leu Pro Val Ser Thr Arg Cys Ile Thr Leu Gly Thr Arg Cys Lys Val Pro Ser Gln Cys Cys Arg Ser Ser Cys Lys Asn Gly Arg Cys Ala Pro Ser Pro Glu Glu Trp 70 <210> 290 <211> 31 <212> PRT <213> Conus viola <220> <221> PEPTIDE <222> (1)..(31)Xaa at residue 29 and 30 is Glu or gamma-carboxy Glu; Xaa at resi due 11, 26 and 28 is Pro or Hyp; Xaa at residue 31 is Trp or Brom

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1	5	10	15	
Ser Ser Cys Lys	Asn Gly Arg Cys A.		Xaa Xaa Xaa 30	
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aggaaggcca ccaa	actete egtgtegaet «	cgctgcaaga	gtagaggatc atcatgtcgt	180
aggacttcgt atga	ctgctg cacgggttct `	tgcagaaatg	gtaaatgtgg ctgatccagc	240
gcctgatctt cccc	cttetg tgetecatee	ttttctgcct	gagtcctcct tacctgagag	300
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aagccgcatt gc				372
<210> 292 <211> 71 <212> PRT <213> Conus vi	ola			
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Cys Gln Leu Ile 20	: Ile Ala Gly Asp So		Thr Gln Leu His Arg 30	
Ala Leu Arg Lys 35	Ala Thr Lys Leu Se	er Val Ser	Thr Arg Cys Lys Ser 45	
Arg Gly Ser Ser 50	Cys Arg Arg Thr So	er Tyr Asp	Cys Cys Thr Gly Ser 60	
Cys Arg Asn Gly 65	Lys Cys Gly			
<210> 293 <211> 25 <212> PRT <213> Conus vi	ola			
	) esidue 13 is Tyr, Tyr or O-phospho-T		nono-iodo-Tyr, di-iodo	-Tyr, O
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_	Arg Asn Gly Lys C	ys		

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aagtcgacct ccaaagtctc caagtcgact agctgcatgg aagccagatc ttattgcgga	180
cctgctacta cgaaaatctg ctgcgatttt tgcagtccat tcagcgatag atgtatgaac	240
aatcccaaca attgatcttc ccccttgtgt gctccatctt ttctgcctga gtcctcctta	300
cctgagagtg gtcatgaacc actcatcacc tactcctctg gaggcttcag aggagttaca	360
ttgaaataaa agccgcatgc	380
<210> 295 <211> 78 <212> PRT <213> Conus viola	
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Cys Gln Leu Ile Thr Ala Glu Asp Ser Arg Gly Thr His Glu His Leu 20 25 30	
Ala Leu Lys Ser Thr Ser Lys Val Ser Lys Ser Thr Ser Cys Met Glu 35 40 45	
Ala Arg Ser Tyr Cys Gly Pro Ala Thr Thr Lys Ile Cys Cys Asp Phe 50 60	
Cys Ser Pro Phe Ser Asp Arg Cys Met Asn Asn Pro Asn Asn 65 70 75	
<210> 296 <211> 36 <212> PRT <213> Conus viola	
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<221>
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       Xaa at residue 3 is Pro or Hyp; Xaa at residue 13 and 18 is Tyr,
       125I-Tyr, mono-iodo-Tyr, di-iodo-Tyr, O-sulpho-Tyr or O-phospho-T
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Pro Tyr 50	Gly	Gly	His	Cys	Gly 55	Tyr	Tyr	Asn	Asp	Cys 60	Суѕ	Ser	His	Gln		
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Cys Asp Met Ala Asn Asn Arg Cys Leu
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        and 12 is Pro or Hy
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       Conus pulicarius
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Thr Pro Glu Gly Gly Ala Cys Ser Ser Gly Arg His Cys Cys Gly Phe

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Cys P 65	4sp	Asn '	Val S	Ser	His 70	Thr	Cys '	Tyr	Gly	Glu 75	Thr	Pro	Ser	Leu	His 80	
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Leu :	His															
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Cys	Gl:	n Leu	Ile 20	Thr	Ala	Asp	Asp	Ser 25	Arg	g Gly	y Thr	Glr	n Glu 30	ı His	s Arg	
Ala	Le	u Arg 35	Ser	Asp	Thi	Lys	Leu 40	Pro	Ile	e Sei	r Thr	Arq 45	g Cys	s Lys	s Gly	

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Lys Pro Asn Asn
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Cys Lys Ser Lys Gly Ser Ser Cys His Arg Thr Ser Tyr Asp Cys Cys
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Tyr Pro Gln Asn
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Pro Ser Asn
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Cys Asn Lys Thr Cys Thr Arg Ser Lys Cys Pro
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Gly Gly Cys Asn Val Ser Lys Ser Lys Cys Asn
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<213> Conus laterculatus
<400> 369
Thr Cys Trp Pro Ser Gly Thr Ala Cys Gly Ile Asp Ser Asn Cys Cys
Ser Gly Cys Asn Val Ser Arg Ser Lys Cys Asn
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<210> 370
<211> 27
<212> PRT
<213> Conus laterculatus
<400> 370
Lys Cys Trp Pro Ser Gly Ser Tyr Cys Arg Ala Asn Ser Lys Cys Cys
Ser Gly Cys Asp Arg Asn Arg Ser Lys Cys Asn
<210> 371
<211> 37
<212> PRT
<213> Conus leopardus
<400> 371
Ser Leu Phe Glu Cys Ala Pro Ser Gly Gly Arg Cys Gly Phe Leu Lys
Ser Cys Cys Glu Gly Tyr Cys Asp Gly Glu Ser Thr Ser Cys Val Ser
Gly Pro Tyr Ser Ile
<210> 372
<211> 30
<211>
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<212> PRT
<213> Conus leopardus
<400> 372
Trp Pro Leu Asp Cys Thr Ala Pro Ser Gln Pro Cys Gly Tyr Phe Pro
Arg Cys Cys Gly His Cys Asp Val Arg Arg Val Cys Thr Ser
                                 25
<210> 373
<211> 31
<212> PRT
<213> Conus leopardus
<400> 373
Cys Met Ser Pro Gly Gly Ile Cys Gly Asp Phe Gly Asp Cys Cys Glu
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 Ile Cys Asn Val Tyr Gly Ile Cys Val Ser Asp Leu Pro Gly Ile
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<210> 374
      27
PRT
<211>
<212>
<213> Conus leopardus
<400> 374
Tyr Cys Ala Pro Pro Gly Gly Ala Cys Gly Phe Phe Asp His Cys Cys
Gly Tyr Cys Glu Thr Phe Tyr Asn Thr Cys Arg
<210> 375
<211> 25
<212> PRT
<213> Conus magus
<400> 375
Cys Lys Gly Thr Gly Lys Pro Cys Ser Arg Ile Ala Tyr Asn Cys Cys
Thr Gly Ser Cys Arg Ser Gly Lys Cys
<210> 376
<211> 26
<212> PRT
<213> Conus magus
<400> 376
Cys Ala Ser Tyr Gly Lys Pro Cys Gly Ile Tyr Asn Asp Cys Cys Asn
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Thr Cys Asp Pro Ala Arg Lys Thr Cys Thr
<210> 377
<211> 27
<212> PRT
<213> Conus miles
<400> 377
Cys Asn Asp Arg Gly Gly Cys Ser Gln His Pro His Cys Cys Gly
Gly Thr Cys Asn Lys Leu Ile Gly Val Cys Leu
<210>
      378
<211>
       25
<212>
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<213> Conus monachus
<400> 378
Cys Lys Ser Thr Gly Lys Ser Cys Ser Arg Ile Ala Tyr Asn Cys Cys
Thr Gly Ser Cys Arg Ser Gly Lys Cys 20 25
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 <211> 25
 <212> PRT
 <213> Conus monachus
 <400> 379
 Cys Lys Gly Lys Gly Ser Ser Cys Ser Arg Thr Met Tyr Asn Cys Cys
 Thr Gly Ser Cys Asn Arg Gly Lys Cys
 <210> 380
 <211> 35
 <212> PRT
 <213> Conus obscurus
<400> 380
Ser Pro Pro Cys Met Lys Gly Gly Ser Ser Cys Arg Gly Thr Thr Gly
Val Cys Cys Gly Phe Cys Ser Asp Phe Gly Tyr Lys Cys Arg Asp Tyr
                                25
Pro Gln Asn
        35
<210> 381
<211> 28
<212> PRT
<213> Conus obscurus
<400> 381
Cys Leu Pro Asp Gly Thr Ser Cys Leu Phe Ser Arg Ile Arg Cys Cys
                                    10
Gly Thr Cys Ser Ser Ile Leu Lys Ser Cys Val Ser
<210> 382
<211> 27
<212> PRT
<213> Conus purpurascens
<220>
<221>
      PEPTIDE
<222>
       (1)..(27)
<223> Xaa is Hyp
<400> 382
Xaa Cys Lys Thr Xaa Gly Arg Lys Cys Phe Xaa His Gln Lys Asp Cys
                                    10
Cys Gly Arg Ala Cys Ile Ile Thr Ile Cys Pro
<210>
      383
<211>
      26
<212>
      PRT
<213> Conus purpurascens
<220>
<221>
      PEPTIDE
<222>
      (1)..(26)
<223> Xaa at residue 5 is Hyp; Xaa at residue 12 is gamma-carboxy-Glu
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<400> 383
 Ser Cys Lys Leu Xaa Gly Ala Tyr Cys Asn Ala Xaa Asp Tyr Asp Cys
 Cys Leu Arg Cys Lys Val Gly Gly Thr Cys
 <210> 384
 <211> 27
 <212> PRT
 <213> Conus purpurascens
<400> 384
Pro Cys Lys Lys Thr Gly Arg Lys Cys Phe Pro His Gln Lys Asp Cys
Cys Gly Arg Ala Cys Ile Ile Thr Ile Cys Pro
             20
<210>
      385
<211> 30
<212> PRT
<213> Conus pulicarius
<400> 385
Gln Cys Ser Pro Asn Gly Gly Ser Cys Ser Arg His Phe His Cys Cys
Ser Leu Tyr Cys Asn Lys Asn Thr Gly Val Cys Ile Ala Thr
<210> 386
<211> 27
<212> PRT
<213> Conus pulicarius
<400> 386
Glu Cys Thr Pro Pro Asp Gly Ala Cys Gly Leu Pro Thr His Cys Cys
Gly Phe Cys Asp Met Ala Asn Asn Arg Cys Leu
            20
<210> 387
<211> 27
<212> PRT
<213> Conus pulicarius
<400> 387
Glu Cys Thr Pro Pro Gly Gly Ala Cys Gly Leu Pro Thr His Cys Cys
                                    10
Gly Phe Cys Asp Met Ala Asn Asn Arg Cys Leu
<210>
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<211>
       28
<212> PRT
<213> Conus radiatus
<400> 388
His Gly Cys Lys Pro Leu Lys Arg Arg Cys Phe Asn Asp Lys Glu Cys
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Cys Ser Lys Phe Cys Asn Ser Val Arg Lys Gln Cys
                                 25
 <210>
        389
 <211>
        28
 <212>
       PRT
 <213> Conus radiatus
 <400> 389
 Arg Gly Cys Lys Pro Leu Lys Arg Arg Cys Phe Asn Asp Lys Glu Cys
 Cys Ser Lys Phe Cys Asn Ser Val Arg Asn Gln Cys
 <210> 390
 <211> 27
 <212> PRT
 <213> Conus rattus
<400> 390
Cys Asn Ala Arg Asn Asp Gly Cys Ser Gln His Ser Gln Cys Cys Ser
Gly Ser Cys Asn Lys Thr Ala Gly Val Cys Leu
<210> 391
<211> 27
<212> PRT
<213> Conus rattus
<400> 391
Cys Asn Ala Arg Asn Ser Gly Cys Ser Gln His Pro Gln Cys Cys Ser
Gly Ser Cys Asn Lys Thr Ala Gly Val Cys Leu
<210> 392
<211> 27
<212> PRT
<213> Conus rattus
<400> 392
Cys Asn Ala Arg Asn Ser Gly Cys Ser Gln His Pro Gln Cys Cys Ser
Gly Ser Cys Asn Lys Thr Leu Gly Val Cys Leu
            20
<210> 393
<211> 34
<212> PRT
<213> Conus rattus
<400> 393
Ala Cys Thr Pro Glu Gly Gly Ala Cys Ser Ser Gly Arg His Cys Cys
Gly Phe Cys Asp Asn Val Ser His Thr Cys Tyr Gly Glu Thr Pro Ser
Leu His
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<210> 394
 <211> 36
 <212> PRT
 <213> Conus striatus
 <400> 394
 Ala Thr Asp Cys Ile Glu Ala Gly Asn Tyr Cys Gly Pro Thr Val Met
 Lys Ile Cys Cys Gly Phe Cys Ser Pro Tyr Ser Lys Ile Cys Met Asn
 Tyr Pro Lys Asn
         35
 <210> 395
 <211> 26
 <212> PRT
 <213> Conus striatus
<400> 395
Cys Lys Leu Lys Gly Gln Ser Cys Arg Arg Thr Met Tyr Asp Cys Cys
Ser Gly Ser Cys Gly Arg Arg Gly Lys Cys
<210> 396
<211> 25
<212> PRT
<213> Conus striatus
<400> 396
Cys Lys Ala Ala Gly Lys Ser Cys Ser Arg Ile Ala Tyr Asn Cys Cys
Thr Gly Ser Cys Arg Ser Gly Lys Cys
<210>
      397
<211>
      26
<212> PRT
<213> Conus striatus
<400> 397
Cys Glu Ser Tyr Gly Lys Pro Cys Gly Ile Tyr Asn Asp Cys Cys Asn
Ala Cys Asp Pro Ala Lys Lys Thr Cys Thr
<210>
       398
<211>
       27
<212> PRT
<213> Conus stercusmuscarum
<400> 398
Cys Lys Ser Lys Gly Ala Lys Cys Ser Arg Leu Met Tyr Asp Cys Cys
Ser Gly Ser Cys Ser Gly Tyr Thr Gly Arg Cys
           20
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<210> 399
 <211> 35
<212> PRT
 <213> Conus stercusmuscarum
 <400> 399
 Thr Thr Ser Cys Met Gln Ala Gly Ser Tyr Cys Gly Ser Thr Thr Arg
 Ile Cys Cys Gly Tyr Cys Ala Tyr Phe Gly Lys Lys Cys Ile Asp Tyr
 Pro Ser Asn
        35
<210> 400
<211> 26
<212> PRT
<213> Conus stercusmuscarum
<400> 400
Cys Ala Ser Tyr Gly Lys Pro Cys Gly Ile Asp Asn Asp Cys Cys Asn
Ala Cys Asp Pro Ala Arg Asn Ile Cys Thr
<210> 401
<211> 26
<212> PRT
<213> Conus stercusmuscarum
<400> 401
Cys Val Ser Tyr Gly Lys Pro Cys Gly Ile Asp Asn Asp Cys Cys Asn
Ala Cys Asp Pro Ala Arg Asn Ile Cys Thr
<210> 402
<211> 25
<212> PRT
<213> Conus stercusmuscarum
<400> 402
Cys Lys Gly Lys Gly Ala Ser Cys His Lys Thr Met Tyr Asp Cys Cys
Ser Gly Ser Cys Thr Arg Gly Arg Cys
<210> 403
212> PR"
      PRT
<213> Conus striolatus
<400> 403
Cys Lys Gly Lys Gly Ala Ser Cys Leu Arg Thr Ala Tyr Asp Cys Cys
Thr Gly Ser Cys Asn Arg Gly Arg Cys
            20
<210> 404
<211> 24
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<212> PRT
 <213> Conus striolatus
<400> 404
 Cys Arg Pro Ser Gly Ser Asn Cys Gly Asn Ile Ser Ile Cys Cys Gly
                                     10
Arg Cys Val Asn Arg Arg Cys Thr
            20
<210> 405
<211> 35
<212> PRT
<213> Conus striolatus
<400> 405
Ser Thr Ser Cys Met Lys Ala Gly Ser Tyr Cys Val Ala Thr Thr Arg
Ile Cys Cys Gly Tyr Cys Ala Tyr Phe Gly Lys Ile Cys Ile Asp Tyr
Pro Lys Asn
  35
<210> 406
<211> 28
<212> PRT
<213> Conus textile
<400> 406
Tyr Cys Thr Pro His Gly Gly His Cys Gly Tyr His Asn Asp Cys Cys
                                    10
Ser His Gln Cys Asn Ile Asn Arg Asn Lys Cys Glu
<210> 407
<211> 31
<212> PRT
<213> Conus viola
<400> 407
Cys Ile Thr Leu Gly Thr Arg Cys Lys Val Pro Ser Gln Cys Cys Arg
Ser Ser Cys Lys Asn Gly Arg Cys Ala Pro Ser Pro Glu Glu Trp
<210> 408
<211> 25
<212> PRT
<213> Conus viola
<400> 408
Cys Lys Ser Arg Gly Ser Ser Cys Arg Arg Thr Ser Tyr Asp Cys Cys
Thr Gly Ser Cys Arg Asn Gly Lys Cys
<210> 409
<211> 36
<212> PRT
<213> Conus viola
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<400> 409
Ser Thr Ser Cys Met Glu Ala Arg Ser Tyr Cys Gly Pro Ala Thr Thr
Lys Ile Cys Cys Asp Phe Cys Ser Pro Phe Ser Asp Arg Cys Met Asn
Asn Pro Asn Asn
        35
<210> 410
<211> 25
<212> PRT
<213> Conus viola
<400> 410
Cys Lys Gly Pro Gly Ala Ile Cys Ile Arg Ile Ala Tyr Asn Cys Cys
Lys Tyr Ser Cys Gly Asn Gly Lys Cys
<210> 411
<211>
       28
<212>
       PRT
<213> Conus viola
<400> 411
Tyr Cys Thr Pro Tyr Gly Gly His Cys Gly Tyr Tyr Asn Asp Cys Cys 1 \phantom{-} 10 \phantom{-} 15
Ser His Gln Cys Asn Ile Asn Arg Asn Lys Cys Glu
            20
<210> 412
<211> 27
<212> PRT
<213> Conus textile
<400> 412
Cys Thr Pro Tyr Gly Gly His Cys Gly Tyr Asn His Asp Cys Cys Ser
His Gln Cys Asn Ile Asn Arg Asn Lys Cys Glu
<210> 413
<211> 26
<212> PRT
<213> Conus tulipa
<220>
<221>
       PEPTIDE
<222> (1)..(26)
<223> Xaa is Hyp
<400> 413
Cys Lys Ser Trp Gly Ser Xaa Cys Ser Xaa Thr Ser Thr Asn Cys Cys
Trp Ser Cys Ser Pro Tyr Arg Lys Lys Cys
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